

- 4001 California Standard Gulf Kaybob 5-35  
Precambrian core at: (a) 11311 - Chloritized amphibolite  
(b) 11316 - Amphibolite  
Aug. 26/59
- 4002 California Standard Mikkwa 12-23  
Precambrian core at: (a) 3838 } Coarse-grained granite,  
(b) 3840 } stained with hematite.  
Aug. 26/59.
- 4003 California Standard-Pacific Marwayne 14-29  
Precambrian core at: (a) 5479 (b) 5485 (c) 5490 (d) 5493  
(e) 5495 (f) 5501 - Migmatite complex.  
Feb. /59.
- 4004 Baysel Imperial Hines Creek 14-31-84-2  
Precambrian core at 8225 ft. Aug. 20/59  
Green and white mottled marble.
- 4005 Canadian Seadboard Honolulu North Cadotte 15-24  
Precambrian core at 5819 ft. Aug. 18/59  
Chlorite-epidote - K - fd. gneiss.
- 4006 Colorado Okalta & Assoc. Normanville 16-9  
Precambrian core at 7625 ft. Aug. 21/59  
Chloritized biotite granite.
- 4007 Great Plains Triad Lubicon Lake 11-3  
Precambrian core at: (a) 5111 - Paleozoic/Precambrian contact.  
(b) 5112 (c) 5118 (d) 5124 (e) 5126  
(f) 5129 (g) 5134 (h) 5140.5 (i) 5144  
(j) 5147 (k) 5152 ft. Samples showing  
variation in detailed petrology of biotite  
gneiss.
- 4008 Home-Union-H.B. Virginia Hills 16-12  
Precambrian core (a) 10511 ft. Gneiss - Mafic Phase  
(b) 10520 ft. Gneiss - Acid Phase  
Aug. 20/59
- 4009 Hudson's Bay-Union East Peace River #1  
Precambrian core at 5703-5705 Aug. 21/59  
Fresh biotite granite.
- 4010 Imperial Baysel Riverdale #1  
Precambrian core at 7518. Aug. 27/59  
Leuco granite, coarse-grained.
- 4011 Imperial Dapp #1  
Precambrian core at 7575 ft. Aug. 27/59  
Biotite gneiss.
- 4012 Imperial Joussard 11-11  
Precambrian core at 7402 ft. Aug. 27/59  
Gneiss.

- 4013 Imperial Virginia Hills 6-36  
Precambrian core at 10709 ft. Aug. 27/59
- 4014 Imperial West Prairie 11-18  
Precambrian core at 8552 ft. Aug. 27/59
- 4015 Imperial Wolverine 7-24-76-18  
Precambrian core at: (a) 4633 Pink granite  
(b) 4639 Biotite gneiss  
Aug. 27/59.
- 4016 Imperial Pelican 6-10-77-25  
Precambrian core at: (a) 6115 Biotite granite  
(b) 6120 Biotite gneiss ↗  
Aug. 27/59
- 4017 Mobil Oil Chard 12-27-78-4  
Precambrian core at 2567 ft. Mar. 31/59  
Biotite granodiorite.
- 4018 Mobil Oil Goose Creek 10-20-62-8  
Precambrian core at: (a) 9132 Biotite gneiss  
(b) 9143 Gneiss, well banded  
(c) 9144 Biotite gneiss, mafic grains in clusters.  
Mar. 31/59.
- 4019 Mobil Oil - Pan American Heart Lake 4-3-69-18  
Precambrian core at: (a) 5024 Leucogranite  
(b) 5029 Granite  
Mar. 31/59.
- 4020 Phillips Ksituan #1  
Precambrian core at 11700 ft. Aug. 20/59  
Hornblende tonalite gneiss.
- 4021 Shell Reno 2-25  
Precambrian core at 6808 ft. Aug. 17/59  
Granodiorite.
- 4022 Shell Thurston Lake 30-125-2  
Precambrian core at 5992 ft. Aug. 17/59  
Weathered biotite granite.
- 4023 Triad Iroquois 15-16  
Precambrian core at 7850-7852 ft. Aug. 21/59  
Chloritized biotite gneiss.
- 4024 Imperial Amber 13-11  
Precambrian core at: (a) 6055 Qtz.-epidote rock + K -fd.  
(b) 6063 Qtz.-epidote rock with qtz. veins  
Aug. 31/59.

- 4025 Imperial Pacific Parkland 6-29  
Precambrian core at 11618 ft. Aug. 31/59  
Chlorite-hornblende gneiss with epidote veins.
- 4026 Imperial Kahntah #1  
Precambrian core at: (a) 8435 Feldspathic quartz with pebbles  
(b) 8437 Feldspathic quartz, bedded.  
Aug. 31/59.
- 4027 Imperial - H. B. - Union Paddy #1  
Precambrian core at: (a) 10025 } Dark gray & grayish black  
(b) 10029 } argillite, steeply dipping,  
(c) 10032 } with quartz and pyrite.  
Aug. 31/59
- 4028 Imperial Sikanni Chief #1  
Precambrian core at: (a) 9925 Biotite quartz monzonite  
(b) 9930 " " "  
Aug. 31/59
- 4029 Imperial Pacific Kilkerran 12-31  
Precambrian core at 12038 ft. Aug. 31/59  
Quartzite and quartz-chlorite-epidote rock.
- 4030 Imperial Pacific Siphon Creek 1-26  
Precambrian core at: (a) 10909  
(b) 10913 Aug. 31/59  
Plagioclase-hornblende-garnet hornfels.
- 4031 Imperial Vega 9-35  
Precambrian core at 4703 ft. Aug. 31/59  
Biotite quartz monzonite.
- 4032 Imperial Rainbow Lake 2-16  
Precambrian core at 6957 ft. Aug. 31/59  
Fine-grained leucogranite.
- 4033 Imperial Harmon Valley 7-5  
Precambrian core at 7290 ft. Sept. 1/59  
Biotite schist.
- 4034 Imperial Yates River 16-18  
Precambrian core at 3145 to 3148 Sept. 1/59  
Siliceous quartzite.
- 4035 Imperial Futurity Godin Lake 10-6  
Precambrian core at 5007 ft. Sept. 1/59  
Pink granite.
- 4036 Imperial Wanham #1  
Precambrian core at 9347 ft. Sept. 1/59  
Biotite gneiss.

These numbers used by R.A. Burwash for Precambrian cores. <sup>see 3996-4036</sup>  
Australian granites presented by K.A.W. Crook, 1959.

- 3996-A Granodiorite porphyrite intrudes Upper Devonian of Tolmae Highlands, N.E. Vic. Intrudes dacite above fish beds overlain unconformably by L. Carb with fish. Chem. and mineralogy very similar to dacite.
- 3997-A Mafeking granodiorite, post L. Carboniferous, ? pre Triassic near Willaura, Victoria. Intrudes Grampians group.
- 3998-A Mackenzie River Granodiorite post L. Carb. ? pre Triassic Mackenzie River near Horsham, Victoria. Intrudes Grampians group.
- 3999-A Limestone (basal Leduc) Imperial Amelia 22 3156'. Ed Klovan, 1959.
- 4000-A Cretaceous? dyke, Yukon. C.R. Mattison, Shell Oil Co., via Bassett for dating.
- 4001-A Talc schist from B.C. (via Noble).
- 4002-A Magnetite. B.C. (via Al Couree). Ho 6-4435 or Hu 9-7142.

Samples of Irish Granites via H.A.K. Charlesworth.

- 4003-A Older granodiorite. Bloody Foreland, Altawinny Bay. W. Donegal, Eire (1).
- 4004-A Rosees granitic ring complex, quarry at roadside, S.E. corner of Donglow Lough, Dunglow W. Donegal, Eire (2).
- 4005-A Newer granite, Barnes Gap, 4 mi. N.W. of Kilmacrennan, W. Donegal, Eire.
- 4006-A Granite Ireland. See H.A.K.C. Ardara pluton (another sample).
- 4007-A Quartz diorite, Ardara granitic Diapir, E. end of Lough Killayena, 4 mi. north of Ardara, co. Donegal.

Granites from B. C. and Washington, R.E. Folinsbee, 1959.

- 4008-A Muscovite biotite granite about 4 1/2 miles south of Blue River on "highway". 4.4 miles north of Wolfenden on C.N.R.
- ✓4009-A <sup>T350</sup> Muscovite granite N. Thompson, 19.3 miles north of Wavenby turnoff.
- 4010-A Granodiorite south of Littlefork.

- 4011-A Guichon Creek granite east of Highland Valley (see R.E.F. notes).  
 1. dark dioritic phase  
 2. syenitic phase  
 3. intermediate phase near Mamette
- 4012-A Jointed rhyolite porphyry, 2 miles south of Ashcroft.
- 4013-A Granite cobbles from Jackass mountain conglomerate 12 miles south of Lytton, Fraser Canyon, B.C.
- 4014-A Phlogopite granodiorite half mile west of bridge over Fraser at Hope, B.C.
- 4015-A Snoqualmie granodiorite 4.4 miles west of summit on U.S. 10.
- 4016-A Rhyolite from Guye Peak, Snoqualmie Pass.
- 4017-A Hornblende biotite diorite just south of Entiat, Wash.
- 4018-A .2 miles south of Chelan, Washington. 2 phase granite gneiss.
- 4019-A 4.5 miles south of Brewster, biotite granite.
- 4020-A Rhyolite from south edge of Omak.
- 4021-A Biotite gneiss east of Tonasket.
- 4022-A Hornblende biotite diorite east of Republic.
- 4023-A Biotite syenite east of Republic.
- 4024-A Granite gneiss west of Kettle Falls, Washington.
- 4025-A 9.2 miles west? of Colville on Highway 6A. Colville biotite granite, orthoclase rich.
- 4026-A Porphyritic phase Colville granite.
- 4027-A Fine-grained biotite granite south outskirts of Nelson on Highway 6 and 3A.
- 4028-A Clotted biotite granite 2 miles east of Bridge at Nelson.
- 4029-A Porphyritic granite east Nelson, B.C.
- 4037 - 4043 Hunt Thesis
- 4044 - 4057 Williams Thesis
- 4058 - 4087 Robbins Thesis, Upper Devonian, Imperial Formation.
- 4087-A, 4088 - 4122 B. Remington, Precambrian, Jasper area.

cf # 3866 - 3895  
 # 3896 - 3928

- 4123-4161 Belly River formation - Bow River below Ghost River Dam  
(J.F. Lerbekmo)
- 4162-4166 Lower Milk River formation - Writing on stone, Prov. Park,  
Alta. (J.F. Lerbekmo)
- 4167 Lower Cretaceous glauconitic sandstone, from tributary of  
Vittrekwa River, 30 miles southwest of Fort McPherson, N.W.T.  
Collected by H. Stewart, summer 1959
- 4168 Nahanni granite, base Mt Sir James McBrien, 62°05'N, 127°40'W,  
G.S.C. 1055A (G. Koch, Pan American)
- 4169 Basic Crowfoot dyke cutting Hector formation and truncated by  
Lower Cambrian (Wm. C. Gussow)
- 4170-4192 R.L. Platt thesis material
- 4193 Oolitic limestone, Mission Canyon, Lampman field,  
14-8-4-3 W1, Saskatchewan (Zaturecky, 1959)
- 4194 Molybdenite, Thunder Bay area, Ontario, 25 miles east of Port  
Arthur. Presented by N. Edgar, November 1959
- 4195-4210 Graywackes - Australia. Collected by K.A.W. Crook
- 4211 Shell Liard #1 well: (a) at 1908 feet  
(b) at 2085 feet
- 4212 Exshaw sanidine. Grit, base Exshaw, Jura Creek
- 4213-4256 Precambrian basement cores (R.A. Burwash)
- 4213 California Standard Bannock #15-5, 15-5-46-9 W2  
Weathered biotite granite, at 2532 feet  
R.A. Burwash, Sept. 9, 1959
- 4214 California Standard Daly #15-18, 15-18-10-27 W1  
Highly altered, fine-grained igneous rock, at 5360 feet  
R.A. Burwash, Sept. 10, 1959
- 4215 California Standard Ratner #1-15, 1-15-48-17 W2  
Biotite schist, fine-grained, at 2594 feet  
R.A. Burwash, Sept. 9, 1959
- 4216 California Standard Wawanesa #3-1, 3-1-8-18 W1  
Biotite gneiss, at 3825 feet  
R.A. Burwash, Sept. 10, 1959
- 4217 Canadian Seaboard Meadow Lake #3, 8-30-64-15 W3  
Biotite gneiss, at 2435 feet  
R.A. Burwash, Sept. 9, 1959

- 4218 Ceepee Annette #10-25, 10-25-36-5 W5  
Phyllite, with vertical foliation, @ 3368 feet  
R.A. Burwash, Sept. 9, 1959
- 4219 Ceepee Baildon #2-11, 2-11-15-26 W2  
Coarse porphyritic biotite granite, @ 7738 feet  
R.A. Burwash, Sept. 9, 1959
- 4220 Delhi-Husky-Phillips Rock Creek #1, 2-4-10-19 W3  
Porphyritic granite, @ 8775 feet  
J.C. Scott, Husky Oil Co., Mar. 12, 1959
- 4221 Imperial et al Battle Creek #4-31, 4-31-3-26 W3  
White quartzite : (a) at 7305 feet depth, with green veins  
(b) at 7335 feet depth  
R.A. Burwash, Sept. 9, 1959
- 4222 Imperial Goodsoil #8-11, 8-11-62-22 W3  
Biotite granite, @ 3460 feet  
R.A. Burwash, Sept. 9, 1959
- 4223 Great Plains McDermott Home Hay #3-18, 3-18-63-1 W3  
Weathered biotite garnet schist, @ 2122 feet  
R.A. Burwash, Sept. 9, 1959
- 4224 Great Plains Montreal Lake #2-5, 2-5-61-24 W2  
Biotite schist, @ 1820 feet  
R.A. Burwash, Sept. 9, 1959
- 4225 Great Plains McDermott Musquash #8-8, 8-8-64-2 W3  
(a) at 2006 feet, well foliated biotite gneiss  
(b) at 2009 feet, amphibolite  
(c) at 2017 feet, foliated biotite gneiss  
(d) at 2026 feet, foliated biotite adamellite
- 4226 Great Plains Smoothstone #1-36, 1-36-63-5 W3  
Biotite gneiss, @ 1921 feet  
R.A. Burwash, Sept. 9, 1959
- 4227 Great Plains McDermott West Montreal Lake #5-22, 5-22-62-26 W2  
(a) at 1851 feet, schist with K-fd band dipping 70°  
(b) at 1855 feet, schist with pod of quartz + K-fd  
R.A. Burwash, Sept. 9, 1959
- 4228 Imperial-California Standard Ft a la Corne #8-9, 8-9-50-18 W2  
Phyllite-argillite, @ 2378 feet  
R.A. Burwash, Sept. 9, 1959
- 4229 Mobil Woodley Southern Dorrell #32-9, 9-32-6-22 W3  
Leucocratic biotite granite, @ 8820 feet  
R.A. Burwash, Sept. 9, 1959

- 4230 Mobil-Woodley Southern Fosterton #X15-3, 15-3-17-18 W3  
Quartz feldspar porphyry, @ 7258 feet  
R.A. Burwash, Sept. 9, 1959
  
- 4231 Mobil North Richmond #31-1, 1-31-18-28 W3  
(a) at 7422 feet, arkosic sandstone, with quartz pebbles  
(b) at 7424 feet, biotite-chlorite hornfels  
(c) at 7429 feet, propylitized biotite hornfels  
(d) at 7440 feet, biotite gneiss/hornfels  
R.A. Burwash, Sept. 9, 1959
  
- 4232 Mobil Von Mehren Lake # X 8-15, 8-15-52-2 W3  
Porphyroblastic biotite gneiss, @ 3290 feet  
R.A. Burwash, Sept. 9, 1959
  
- 4233 Red River Hepner No. 2 (Lowe Farm 3-1-5-2), 3-1-5-2 W1  
Biotite gneiss, sample @ 1145-1150 feet, EX core  
R.A. Burwash, Sept. 10, 1959
  
- 4234 Socony-Western Prairie-Imperial Carievale #1, 16-4-3-32 W1  
Leucocratic biotite granite, @ 8328 feet  
R.A. Burwash, Sept. 9, 1959
  
- 4235 Stony Mountain #1, 7-29-12-2 E1  
Biotite granite, depth not recorded, 2" core  
Dept of Geology, University of Manitoba, Sept. 10, 1959
  
- 4236 Tidewater Stalwart No. 1, 14-10-27-24 W2  
Pink granite, @ 5955 feet, 2" core  
R.A. Burwash, Sept. 9, 1959
  
- 4237 Triad Whitefox #12-15, 12-15-52-14 W2  
Biotite schist, @ 1785 feet  
R.A. Burwash, Sept. 9, 1959
  
- 4238 Triad Whitefox #13-18, 13-18-52-13 W2  
Biotite gneiss, @ 1615 feet  
R.A. Burwash, Sept. 9, 1959
  
- Precambrian cores from the Red Earth area, Alberta  
Collected by R.A. Burwash, November 10, 1959
  
- 4239 Union Red Earth #2-4, 2-4-88-8 W5  
Gneissic biotite granite, @ 4817 feet
  
- 4240 Union Red Earth #2-19C, 2-19-87-8 W5  
Leucocratic granite, with molybdenite, @ 4826-4828 feet
  
- 4241 Union Red Earth #2-22, 2-22-88-8 W5  
Biotite granite, @ 4910 feet
  
- 4242 Union Red Earth #4-29, 4-29-88-8 W5  
Biotite gneiss, @ 4641 feet



- 4243 Union East Red Earth #14-8, 14-8-88-8 W5  
Sheared, weathered garnet gneiss, @ 4881 feet
- 4244 Union Red Earth #12-32, 12-32-86-9 W5  
Well foliated biotite gneiss, @ 4780 feet
- 4245 Union Red Earth #14-17J, 14-17-88-6 W5  
(a) at 5051 feet, sheared  
(b) at 5059 feet,
- 4246 Union Red Earth #10-19C,  
Gneissic hornblende-chlorite-plag. rock, @
- 4247 Union Red Earth #2-23H,  
Weathered granite, @ 4866 feet
- 4248 Union Red Earth A2-17,  
Coarse biotite granite, @ 4751 feet
- 4249 Union Red Earth #12-30B,  
Biotite gneiss, @ 5028 feet
- 4250 Union Red Earth #4-4L,  
Weathered gneissic granite, @ 4991 feet
- 4251 Union Red Earth #4-20H, 4-20-88-8 W5  
Weathered granite, sheared, @ 4875 feet (T.D.)
- 4252 Union Red Earth #4-12C,  
Weathered biotite gneiss, @ 4950 feet
- 4253 California Standard Little Cadotte Lake #2-15,  
Biotite granite (a) at 5905 feet; (b) at 5912 feet  
R.A. Burwash, January 12, 1960
- 4254 California Standard Shekilie River #9-26,  
Quartz diorite with pegmatite vein, @ 7005 feet  
R.A. Burwash, January 12, 1960
- 4255 Californian Standard Smoky River #13-20,  
Hornblende-biotite gneiss, @ 9612 Feet  
R.A. Burwash, January 12, 1960
- 4256 Howell Creek, Flathead map-area, B.C.  
Igneous stocks intrusive into Rundle formation  
(a) Middle Howell Creek stock, 1/2 mi in diameter  
(b) Bottom of Colo (?) Gully, 29 mi.  
From Austin Klisky, California Standard, to R.A.B., Jan. 12, 1960
- 4257 Top of Whitemud beds, Strawberry Creek, Alberta  
Collected by J.F. Lerbekmo, 1959
- 4258 Edmonton sandstone, 50' above Whitemud beds, Strawberry Creek,  
Alberta. Collected by J.F. Lerbekmo, 1959

- 4259 Pebbles from above Clear Hills iron ore, Alberta  
N. Edgar, February 1960
- 4260 Sanidine crystals in trachyte (Germany)  
Purchased from Ward's, February 1960 (\$3.50)
- 4261 Adularia crystals: (a) Tavern Valley, Austria (\$7.50)  
(b) Schwarzenbach, Zillertal, Austria (\$7.50)  
Eckert Mineral Research, Florence, Colorado (purchased)  
(appear to be from same locality. R.E.F.)
- 4262 Beaver River syenite, biotite-bearing, semi-float, Precambrian?  
Same ridge as Koch's samples  
Via Orest Tokarsky, Shell
- 4263 Amygdaloidal basalt, Tobally Lake, Yukon, Tertiary? (post-Triassic)  
Via Orest Tokarsky, Shell
- 4264 Iron specimens from El Pao, State of Bolivar, Venezuela.  
One typical hematite specimen (a), and two others, not common  
ore: (b), limonite (c) bauxite (see 3436)
- 4265 Bauxite, Guiana type, locality unknown
- 4266 Triceratops? bones, 20-40' below "Ardley" (highest) coal seam,  
Hand Hills, Alberta (R.E.F., 1951)
- 4267 Dinosaur egg fragment, S. France, uppermost Cretaceous  
(de Lappermont)
- 4268 Buchans Co Mine, Newfoundland, chalcopyrite, pyrite, galena,  
and some sphalerite. Host, agglomerate or conglomerate  
(J. Kelly, 1960)

*In 65B 3-16 used by H.G.M. for Geol 424.* ✓4269 Athabasca tar sand (from a float boulder southwest of Lake Athabasca)

4270-B- BRUDERHEIM METEORITE

Note: All locations referred to are T57 R20 W4  
Individual meteorites are given a number, and where  
several fragments fit together, each fragment is given  
a letter designation in addition.

1	3.101 kg	Collector: Mr Broda, NE-3
2	2.46 kg	Mr A. Bawel, SW-10
3	3.022 kg	Broda, NE-3
4	6.045 kg	Mike Onushko, SE-10
5	1.039 kg (broke on impact, probably only half recovered)	A. Bawel, SW-10
6	0.841 kg	Broda, NE-3
7	0.725 kg	T. J. Stark
8	0.706 kg	Broda, NE-3

- 4271 Hematite, El Pao, State of Bolivar, Venezuela.  
Collected and presented by Donald A. Taylor.  
8.376 kg (see also 4264)
- 4272 Asbestos, Cassiar Asbestos Corporation, N.L. Plump, chief geologist, Feb. 1960, Cassiar, B.C.  
Two ore specimens and one collection of classified commercial product in plastic box.
- 4273 Suite of ores and associated rocks from Blue Bell Mine, Riodel, B.C. Collected by R.A. Burwash, April 1960.
- 4274 Uranium oxide ore - high grade  $U_3O_8$  and associated minerals. From a small showing on property near Uranium City, Saskatchewan, owned by Rix Athabasca Uranium Mines, Ltd.  
Estimated percentage of  $U_3O_8$  ----- 4.5%  
Normal "cut-off" point for "ore" ----- 00.15%  
Weight of specimen: approximately 1 lb.  
Presented by: Mr Henri B. Ceha, Univ. of Amsterdam, Holland  
Mr J.M. Hillerud, Univ. of Alberta, 1956  
Presented in April, 1960
- 4275 St Piran quartzite, 50' above Basal Conglomerate, Vermilion Pass, Banff-Radium Highway. Collected by H.A.K. Charlesworth, 1960
- 4276 Goodsir formation, Vermilion Valley, Banff-Radium Highway, Collected by H.A.K.C., 1960
- 4277 Ottertail limestone, Marble Canyon, Banff-Radium Highway, Coll. H.A.K.C., 1960
- 4278 Beaverfoot-Brisco limestone, Oliver Lake, Sinclair Pass, Coll. H.A.K.C., 1960
- 4279a,b,c Livingstone formation, between Frank and Blairmore, Alberta, coll. J.F.L., 1959
- 4280a,b,c Mount Head formation, between Frank and Blairmore, Alberta, coll. J.F.L., 1959
- 4281a, b Banff formation, Frank, Alberta, coll. J.F.L., 1959
- 4282a,b,c Kootenay sandstone, Bellevue, Alberta, coll. J.F.L. 1959
- 4283 Blairmore sandstone, between Burmis and Bellevue, Alberta, along highway. Coll. J.F.L., 1959
- 4284 St Mary's River formation, Castle River, above Crowsnest Highway bridge. Coll. J.F.L., 1959

- 4285 Willow Creek formation, Castle River, above Crowsnest highway bridge. Coll. J.F.L., 1959
- 4286 Waterton Lakes formation, Waterton Park  
a,b,c,d,e Coll. J.F.L., 1959
- 4287a,b Upper Altyn formation, Waterton Park. Coll. J.F.L., 1959
- 4288 Upper Altyn formation, Waterton Park, Alberta  
a,b,c,d Coll. J.F.L., 1959
- 4289a,b,c Apekunny formation, Waterton Park, coll. J.F.L., 1959
- 4290a,b,c Brinell formation, Waterton Park. Coll. J.F.L., 1959
- 4291a,b Basal Belly River, Cardston-Waterton Lakes highway.  
Coll. J.F.L., 1959
- 4292a,b Blood Reserve formation, Waterton-Cardston highway (see ASPG road log). Coll. J.F.L., 1959
- 4293a,b Chancellor formation, highway cut at Leacoil. Coll. J.F.L. 1959
- 4294a,b Rocky Mountain formation (lower member), below conglomerate, Banff townsite. Coll. J.F.L. 1959
- 4295a,b Rocky Mountain formation (upper member), above conglomerate, Banff townsite. Coll. J.F.L. 1959
- 4296 Miette? formation, east shore Pyramid Lake, Jasper Park.  
Coll. J.F.L. 1959
- 4297a,b Ditto
- 4298 Lower Cambrian? conglomerate and sandstone (Edith Cavell formation?), Jasper Lodge Junction, Jasper, Alta.
- 4299a,b,c Old Fort Point formation, Jasper, Alta. Coll. J.F.L. 1959
- 4300a,b,c,d Miette formation, Yellowhead highway 1 1/2 miles west of Jasper, Alta. Coll. J.F.L. 1959
- 4301 Perdrix formation, Jasper highway 1/2 mile north of Jasper Lodge Junction.
- 4302 Flume formation? " " " "
- 4303 Wonah quartzite, Golden, B.C.  
(Glass sand). Coll. W. McPherson, 1959
- 4304 Hector shale, Banff-Jasper highway, mile 3B-57 from Banff (A.S.P.C. Guidebook log). Coll. J.F.L. 1959

- 4305 Ordovician limestone (Hughes (1953) formation 'A'), Banff-Jasper highway, mile 59 at Tangle Creek bridge. Coll. J.F.L. 1959
- 4306 Middle Cambrian limestone, Banff-Jasper highway, mile 58 from Jasper. Coll. J.F.L. 1959
- 4307 Mt White formation, Banff-Jasper highway, mile 56 from Jasper. Coll. J.F.L. 1959
- 4308 Cathedral limestone, Ogden Mountain. Coll. J.F.L. 1959
- 4309 Cathedral limestone, Kicking Horse Pass. Coll. H.A.K.C. 1959
- 4310 Glenogle shale, Kicking Horse Pass west of new highway bridge between Leancoil and Golden. Coll. J.F.L. 1959
- 4311 Ottertail limestone, Kicking Horse Pass, Wapita Bend (Leancoil). Coll. J.F.L. 1959
- 4312 Chancellor shale, Kicking Horse Pass. Coll. H.A.K.C. 1959
- 4313 Jubilee limestone, Sinclair Pass. Coll. H.A.K.C. 1959
- 4314a-g Burmis "iron ore" (Basal Belly River magnetite sandstone), 1 mile north of Burmis, Alta., Crowsnest Pass. Coll. J.F.L. 1959
- 4315-56 Belly River sandstones and shales, Little Red Deer River section, Secs. 27, 28, 34, 35 Twp 28 R 6 W5 (Wildcat Hills Sheet W/2) Coll. J.F.L. 1960
- 4357-61 Graham Hunt - thin sections, Sept. 27, 1960
- 4362-4404 Mineral collection from Switzerland, August, 1960
- 4362 Apatit, Adular, Periklin (Albit), Muskowit Sella-See, St Gotthard, Tessin
- 4363 Adular, Limonit, Anatas (u. Illmenit?) Lungental im Maderanertal, Uri
- 4364 Adular, Bergkristall Lungental im Maderanertal, Uri
- 4365 Adular, La Bianca, Val Medel, Graubinden
- 4366 Adular, Gletsch, Wallis
- 4367 Adular, Bergkristall; Rhonegletscher, Wallis
- 4368 Bergkristall, Adular; " "

↓ drawer 7  
DGWS 1  
room GH 1-12

4369	Adular, Rauchquarz	Galenstock	Uri
4370	Rauchquarz-Gruppe (Quindel)	Val Giuv?	Graubunden
4371	Sphen (Titanit), Chlorit (u. Epidot?)	Wallis oder Graubunden	
4372	Fluorit	Alpstein	Appenzell
4373	Fluorit	"	"
4374	violetter Fluorit	Murtschenstock	Glarus
4375	gelber Anatas, Adular, Brookit, Calcit	Griesertal, Maderanertal	Uri
4376	Bergkristall, Epidot, Aktinolith	Etzlital	" "
4377	Bergkristall, Chlorit	Schyn-Schlucht	Graubunden
4378	Rosa-Fluorit auf Granit	Goscheneralp	Uri
4379	Rosa-Fluorit	Plattenstock	Uri
4380	Hamatit, Rutil	Alp Cavradi, Tavetsch,	Graubunden
4381	Axinit	Piz Miez, Val Medel,	Graubunden
4382	Staurolith, Disthen	Pizzo Forno, Leventina,	Tessin
4383	Tremolit (Grammatit) in Dolomit	Passo Cadonighino,	Leventia, Tessin
4384	" " " " " " " "		
4385	Granat (Almandin) im Glimmerschiefer	Val Canaria, Leventina,	Tessin
4386	" " " " " "		
4387	Diopsid, Albit, Amiant	Cherbadung, Binntal,	Wallis
4388	Diopsid	" " "	
4389	Aquamarin	Val Bondasca, Bergell,	Graubunden
4390	Beryll, Granat	" "	"
4391	Granat im Pegmatit	" "	"
4392	" "	" "	"

- 4393 Beryll im Pegmatit Val Bondasca, Bergell, Graubunden
- 4394 Turmalin, Granat im Pegmatit " " "
- 4395 Realgar, Pyrit etz. im Dolomit  
Mine Lenggenbach, Binntal, Wallis
- 4396 Realgar, Zinkblende, Pyrit etz. " " "
- 4397 Zinkblende, Pyrit im Dolomit " " "
- 4398-4401 Pegmatite Ponte Brolla, Maggiatal, Tessin
- 4402 Adular, Quarz, Muskowit Piz Ault, Valsertal, Graubunden
- 4403 Adular, Calcit, Hamatit, Pyrit, Muskowit  
Simplon-Tunnel Wallis
- 4404 Adular, Periklin, Muskowit (Pennin?)  
Sella-See, St Gotthard, Tessin
- 4405 Thesis samples, Donald A. Taylor, September 1960 - St Mary  
River formation
- 4406 Ruby corundum, ~~clinopyroxite~~ zoisite, amphibole - 25 miles west of  
Longido, Tanganyika, East Africa.  
Donated by Ray Lucas, Williamson Diamonds Limited, Mwadui,  
June 7, 1960
- 4407 Flint, Stevens Klint, Denmark, R.E.F. 1960  
Maestrichtian-Danian contact
- 4408 Fakse Quarry, Denmark. Danian coralline limestone. R.E.F.  
and H.B. 1960. 5 samples
- 4409 Ammonite from Cretaceous of Denmark. "Writhing in the death  
agony of their race." Purchased from P. Bouthillier, Civil  
Engineering, who says it was brought to America from Denmark  
by a relative. Heteroceras type (see Schuchert and Dunbar,  
page 378)
- 4410 Dinosaur egg fragments from Aix en Provence, France (near  
Rousset, see de Lapperent) → 4M-101F
- 4411 Graptolites from Oslo, Norway. Gift of Ellenberger to R.E.F.  
1960
- 4412 Ammonites from shales at Lyme Regis, England, R.E.F. 1960
- 4413 Stylyolytic limestone, Grandview Hills, 3545-93, via S.J. Nelson
- 4414 Graptolites in slate near Trondheim, Norway, R.E.F.  
Dicranograptus. Stop 3, Excursion A-4, I.G.C. 1960

- 4415 Volcanic rock between Tucson and Phoenix, Arizona.  
R. Martin, 1960. Shows flow structure
- 4416 Chalcopyrite-bornite from Kathleen Lake, Yukon. Dezadeash  
map-area, Memoir 263 Kindle, 60°29'N, 137°34'W.  
Presented by N. Edgar, October 1960
- 4417 Manganese ore from Queen Charlotte Islands. Bog manganese near  
Masset. Presented by N. Edgar 1960
- 4418 Precambrian basement core, Imperial Calstan Lake Newell, 5-1-17-14 W4  
(a) Sample at 7271 feet  
(b) " 7276 "  
(c) " 7279 "  
Collected by R.A. Burwash, October 1960
- 4419 Precambrian basement core, Imperial Marten Mountain, 6-6-75-5 W5.  
Sample at 7372 feet; top of Precambrian 7075 feet; total depth  
7397 feet. Collected by R.A. Burwash, October 1960
- 4420 Olivine Basalt. Collected by Mrs Brogan, Innisfail, on Oregon  
Coast. Presented to Dr Warren 1958
- 4421 Precambrian basement core, Imperial Triad Davidson Creek,  
P-2, 62°20'N, 118°15'W. Three samples from core cut 25 feet  
into Precambrian. From G.B. Darling to R.E. Folinsbee, Feb. 1960
- 4422 Precambrian basement core, Imperial Triad Willow Lake B 28,  
62°20'N, 119°00'W. One sample. From G.B. Darling to R.E.  
Folinsbee, March 1960
- 4423 Precambrian basement core, H.B.-Union Liberal Gulf No. 1,  
3-5-68-22 W5
- 4424 Igneous rocks on Alaska Highway, Summit-Muncho Lake areas,  
from Imperial Oil Ltd, March 1960  
(a) Sample P.R. 2-58-87, 53°24'N, 124°44'W  
(b) Sample P.R. 2-58-308, 53°48'N, 125°35'W
- 4425 Ordovician algal dolomite, headwaters of Halfway River, north-  
eastern B.C. Coll. Sandy Davidson, 1960
- 4426 "Rundle" Mississippian limestone, Sikanny Chief River, north of  
Mt Withrow. Coll. Sandy Davidson, 1960
- 4427 Oolitic limestone, Sawback formation (Cambrian)
- 4428 Oolitic limestone (Cambrian), Ghost River. Coll. J.A. Allan, 1914
- 4429 Quartz vein, Miette formation (Precambrian), Jasper. Coll.  
B. Remington, 1959



- 4430 McMurray bituminous sandstone, McMurray, Alberta
- 4431 Cardium producing sandstone, Hudson's Bay Rat Creek well
- 4432 Spray River formation, Lake Minnewanka. Coll. J.F. Lerbekmo, 1959
- 4433 Boehmite pisolites, Alcoa Mine, Benton, Arkansas.  
Coll. Spence Taylor
- 4434 Rock Creek member, Fernie formation, Cadomin.  
Coll. N. Shafiuddin, 1959
- 4435-4481 R.E. Folinsbee *Europe 1960 - notebook*
- 4482 Precambrian basement core, Honolulu Buffalo 10-8A, 10-8-99-13 W5.  
Depth 5633.5 to 5636 feet
- 4483 Precambrian basement core, Imperial Calstan Stoughton 3-27,  
3-27-8-8 W2. Precambrian at 8680'; T.D. 8834'; Sample @ 8830'.  
From J.R. Shouldice, January 27, 1961
- 4484 Precambrian basement core, Kelsey Lake Development Co.  
D.D. Hole C-11-3 @ 3056 feet.  
From J.B. Mawdsley, January 1961
- 4485 Precambrian basement core, Kelsey Lake Development Co.  
D.D. Hole D-12-3 @ 2170 ft; at 3170 ft; at 3217 ft.
- 4486 Sphalerite and galena, said to be from Monashee Mountains, B.C.  
Presented by Mr Rutter, January 1961
- 4487 Meteorite (aerolite), Cavour, South Dakota.  
From John D. Buddhue, Pasadena, California. Exchange.
- 4488 Meteorite (siderite), Osseo, Ontario
- 4489 Meteorite (pallasite, stony iron), Springwater, Sask.
- 4490 Meteorite (aerolite), Belly River, Alberta  
Orig. No. IOM No. C17-6' - 1.73 kg.  
From Lincoln LaPaz, Albuquerque, N.M. Exchange *Traded to G.S.C. for  
Abbe slice*
- 4491 Meteorite, Belly River, Alberta. Orig. No. IOM No C17-6" - 0.96 kg  
(see 4490)
- 4492 Meteorite (tektite), Moldavite - *see 174493*
- 4493 Meteorite (tektite), Moldavite, *Neuhov, Bohemia, Purchased from  
farmer near the site at which it was found*
- 4494 Meteorite *Vera*
- 4495 Meteorite *Campo del Cielo*
- 4496 Meteorite *San Carlos*

To meteorite database  
 1999 DGL/Smith

- 4497 Pentlandite and pyrrhotite, Lynn Lake Nickel, Sherritt Gordon Mines Ltd. Presented by Stan R. Walker, February 21, 1961
- 4498-4499 Samples from Manitoba Mines Branch to R.A. Burwash, March 1961  
Gods Lake Area (see GSC Map 305A, Oxford House Sheet)
- 4498a (B 117) Gneissic tonalite (at places a granodiorite), Post-Oxford age. 54°32' N, 94°30' W, Gods Narrows, island south of narrows.
- 4498b (B 915) Qtz.-eye granite (actually a granodiorite), Pre-Oxford age. 54°38' N, 94°16' W, Gods Narrows, main shore south of Elk Island
- Cross Lake Area (see Rousell's sketch map)
- 4499a (R 956) Gneiss (Pre-conglomerate), 54°38' N, 97°47' W, just north of H.B. Post
- 4499b (M 490) Granite (Post-conglomerate), 54°36' N, 97°56' W
- 4499c (M837-1) Conglomerate (a 6" cobble and some mica-rich matrix) 54°35' N, 97°45' W (SW side of large island in entrance to Pipestone Lake)
- 4500 Collection number for suite RAB-60, Rusty Lake Map-area, Manitoba. R.A. Burwash, May to September, 1960
- 4501 Collection number for suite ZLK-60, Rusty Lake Map-area, Manitoba. Z.L. Katona, May to September, 1960
- 4502-4516 Minerals from Royal Ontario Museum, March 21, 1961. Exchange.
- 4502 Pararammelsbergite (polished slab), Cobalt, Ontario
- 4503 Cancrinite (polished slab), Bancroft, Ontario
- 4504 Gersdorffite (polished slab), Cobalt, Ontario
- 4505 Britholite, Oka, Quebec
- 4506 Mesolite, Advocate Harbour, Nova Scotia
- 4507 Hatchettolite, Hybla, Ontario
- 4508 Kermesite and Stibnite, West Gore, Nova Scotia
- 4509 Quercyite and Collinsite, Francois Lake, British Columbia
- 4510 Polydymite and Chalcopyrite, Sudbury, Ontario
- 4511 Hackmannite, Dungannon Township, Ontario
- 4512 Zinnwaldite, Pointe du Bois, Manitoba
- 4513 Spencerite, H.B. Mine, Salmo, British Columbia

- 4514 Ferrierite, Kamloops Lake, British Columbia
- 4515 Gersdorffite, Sudbury, Ontario
- 4516 Stromeyerite, Gowganda, Ontario
- 4517-4522 Sandstone samples (Wilkins' thesis)
- 4523 Meteorite, Abee, Alberta, 1952 - 2.175 kg. *To meteorite collection + mynsidatabase 1999*
- 4524 Cobble from Tazin conglomerate, 105°37' W, 59°30' N, Clut Lake E, Saskatchewan. Collected by Z.E. Peterman, 1960. Field No. P-60-220
- 4525 Basic rock with disseminated pyrrhotite, Mystery Lake, Manitoba, 55°49' N, 97°46' W. Southwest shore of Mystery Lake. Collected by J. Patterson, Manitoba Mines Branch
- 4526 Hypersthene granites, Pikwitonei area, Manitoba. Collected by J. Patterson, Manitoba Mines Branch, 3 specimens:
  - (a) G 553-1 '60 SE 1/4 Sec. 26 Twp 76 R. 2, E.P.M.
  - (b) P 207-1 '60 SW 1/4 Sec. 5 Twp 76 R. 3, E.P.M.
  - (c) P 252 '60 SW 1/4 Sec. 4 Twp 76 R. 3, E.P.M.
- 4527 Galena-sphalerite from Fisher Maiden Mine, 8 miles east of Silverton. Ref. G.S.C. Report 185-1935 by Cairnes. Collected and donated by Grant Nielsen, June 9, 1961.
- 4528 (Field notes 1960 -4458) Lyme-Regis, Dorset. *(RE Folinsbee)*  
Ammonite from Jurassic, about Black Marl horizon, at Black Ven probably Arietites obtusus, listed in Geotimes ad October 1960, page 1 as Asteroceras.
- 4529 Quartz crystal group. . 3 miles south of Alert weather station, northern tip of Ellesmere Island. Crystal Mountain, minor range east of United States Range. Collected March, 1961 at 40° below, 50 mph wind, by Dr William Bennett, psychiatrist, University Hospital, Edmonton, and presented October 1961.
- 4530 Horse's teeth. Hardisty Lake, 5 miles south of town, 50 feet from lake shore. In a jaw. Bill Ford, 12503 - 88 Street, Edmonton, Alberta. Possibly Pleistocene horse (Bayrock).
- 4531 Intrusive phase of Crowsnest Volcanics? Elk River country, southern Alberta. Alan McGugan and June Rapson, September 1961. From talus slope, 1000 feet above valley floor. 50°06'N, 115°00'W. Crossing Creek. See Map No. 1980, G.S.C. Memoir, J.R. Marshall. Upper Elk and Upper Highwood rivers. Also Hovdebo M.Sc. thesis, Sask. Bysmalith. Structure of the Brule-Crossing Creek area, B.C. 1957.

- 4532 Sequoia etc. from Genessee locality, North Saskatchewan River. Collected on Geology 201 field trip.
- 4533 Oyster from Sooke, near Victoria, B.C. Collected and presented by Tom Lewis.
- 4534 Basic Dyke, cutting Precambrian(?) sedimentary formations, un-metamorphosed. Tuchodi Lakes, B.C. Lat. 58°22'24"N, Long. 124°23'45"W. From G. Steen, July 1961.
- 4535-4540 Bentonites from Brazeau formation on Chungo Creek, 1- 2 miles above forestry road crossing at Chungo City campground, 28 miles north of Nordegg (Chungo Creek map 6-1958; G.S.C. Prel. Paper 58-3). J.F. Lerbekmo, 1961.
- 4536 Annabergite, Contact Lake, N.W.T., Great Bear Lake. Presented by G. Moody, 1932.
- 4537 Erythrite, Contact Lake, Great Bear Lake, N.W.T. Presented by G. Moody, 1932.
- 4538 Bornite, B.E.A.R. property N.W.T. A.E. Cameron, 1932. (a & b)
- 4539 Niccolite and Native Silver, B.E.A.R. mines, Contact Lake, N.W.T. R. Treloar, December 1935.
- 4540 Manganese carbonate vein, B.E.A.R. Great Bear Lake, N.W.T. G. Moody, 1932.
- 4541 Hematite, north of Contact Lake, in vein material. J. Boccock, 1933.
- 4542 Silver in porphyritic lava, Elite No. 2, Camsell River, N.W.T. A.E. Cameron, 1932.
- 4543 G vein No. 2, Camsell River, N.W.T. A.E. Cameron, 1932.
- 4544 F vein, Elite No. 2, White Eagle, Camsell River, N.W.T. A.E. Cameron, 1932.
- 4545 Native Silver, etc. No. 1 vein, White Eagle No. 2, Camsell River, N.W.T. A.E. Cameron, 1932.
- 4546 Otter Group, hanging wall at Pit No. 2, Camsell River, N.W.T. A.E. Cameron, 1932.
- 4547 Otter Group, rock in tunnel to Vein No. 2, Camsell River, N.W.T. A.E. Cameron, 1932.
- 4548 Pitchblende, Hottah Lake and Beaverlodge Lake, N.W.T. Mr Hargreaves per A.E. Cameron, 1934.

- 4549 Silver Ore, Horne claim, B.E.A.R., September 1932.
- 4550 Native Silver, El Bonanza, Dowdell Pt., Echo Bay, Great Bear Lake, N.W.T. A.W. Scott per A.E. Cameron, September 1934.
- 4551 Country rock with native silver on fracture surface, Vie 3, Contact Lake, Great Bear Lake, N.W.T. G. Moody, 1932.
- 4552 Niccolite, Great Slave Lake district, N.W.T. To J.A.A. August 27, 1934, from H.H. McKey, Gordon Duncan.
- 4553 Niccolite, Francois River, Great Slave Lake, N.W.T., 1932. Two polished sections, a, b.
- 4554 Hematite, north of Contact Lake, N.W.T., in amygdaloidal lavas. J. Bocock, 1933.
- 4555 Native Silver in carbonate vein. No. 1 vein, B.E.A.R., Great Bear Lake. J. Bocock, 1933.
- 4556 Pitchblende, Eldorado Gold Mines Ltd., Great Bear Lake. No. 2 vein, 811 stope. E. Walli, 1936.
- 4557 Native Silver, Eldorado Gold Mines Ltd., Great Bear Lake. No. 2 vein, 1212 stope. E. Walli, 1936.
- 4558 Niccolite, wire silver. 3rd level, B.E.A.R. mines, Contact Lake, N.W.T. R. Trelcar, December 1935.
- 4559 Native Silver, argentite, bands of hematite. B.E.A.R. Mines, Contact Lake, N.W.T. R. Trelcar, December 1935.
- 4560 Native Silver. As above.
- 4561 Annabergite, etc. Vie 2. Contact Lake, N.W.T. G. Moody, 1932.
- 4562 Niccolite, etc., as above.
- 4563 Bismuth, niccolite. As above.
- 4564 Bismuth. As above.
- 4565 Native Silver in carbonate. B.E.A.R. Tunnel 1, Great Bear Lake, N.W.T. J. Bocock, 1933.
- 4566 Argentite. Cons. Min. & Smelt. Co., Great Bear Lake, n.w.t. J. Bocock, 1933.
- 4567 Leaf argentite. As above.
- 4568 Leaf silver, No. 1 vein, B.E.A.R., Great Bear Lake, N.W.T. J. Bocock, 1933.

- 4569 Leaf silver. As above.
- 4570 Bismuth, B.E.A.R., Great Bear Lake, N.W.T. J. Boccock, 1933.
- 4571 Pitchblende, Great Bear Lake, N.W.T. J.A. Kelso, January 1931.
- 4572 Bismuth, Contact Lake, Great Bear Lake, N.W.T. J.A. Kelso, 1933.
- 4573 Native silver, Cons. Min. & Smelt., Great Bear Lake, N.W.T.  
W.J. Dean, December 19, 1933.
- 4574 Bismuth, Norse (or Norge?) claims, Camsell River, N.W.T.  
From K. McKee to A.E. Cameron, August 1932.
- 4575 Niccolite, Great Slave Lake, N.W.T. J.A. Kelso, 1933.  
P.J. Hughes. a-e.
- 4576 Pitchblende bloom, Beaverlodge Lake area, east of Crackingstone  
Point, Lake Athabasca, Saskatchewan. A.E. Cameron, January  
1935, J.D. Nicholson.
- 4577 Erythrite. As above.
- 4578 Niccolite, Lake Athabasca district, Saskatchewan.  
A.E. Cameron, 1932, from J.D. Nicholson. a, b.
- 4579 Native silver, vein 1 or 2, Otter Group, White Eagle Mine,  
Camsell River, N.W.T. A.E. Cameron, May 1934.
- 4580 Native silver, White Eagle Mine, Camsell River.  
A.E. Cameron from L.G. Smith, September 1934.
- 4581 Pitchblende and bloom, Eldorado, Great Bear Lake.  
V.J. Arsenault, December 1931.
- 4582 Pitchblende, Eldorado No. 2, Great Bear Lake, N.W.T., a, b.  
(no further information)
- 4583 Native silver, Bonanza, Great Bear Lake, N.W.T.  
A.E. Cameron, 1932.
- 4584 Pitchblende bloom, Eldorado, Great Bear Lake, N.W.T.  
A.E. Cameron, 1932.
- 4585 Pitchblende and pitchblende bloom, high grade ore, Uranium  
City, north of Lake Athabasca, Saskatchewan. Mr Sinclair,  
purchased January 20, 1961.
- 4586 Pitchblende in mylonite. Loc. 4585.
- 4587 Hematite, specular. Loc. 4585.

- 4588 Low grade uranium ore. Loc. 4585
- 4589 Hematite on quartz crystals (probably from Amax claims).  
Loc. 4585.
- 4590 Cores of gneiss, a and b. Loc. 4585.
- 4591 Uranium oxide. Mr Sinclair, purchased January 20, 1961.
- 4592 Bituminous sand, McMurray, Alberta. Mr Sinclair, purchased  
January 20, 1961
- 4593 Silicified wood, large piece. Loc.: Near Penticton, B.C.,  
Crater Mountain, Ashanola River. Found in volcanic as bed  
3' thick. Evan Cameron, Valley Concrete Products Ltd., Penticton.
- 4594 Silicified wood, one end cut and polished. Loc. as 4593.
- 4595 Silicified wood, small slab, dark, Loc. as 4593.
- 4596 Silicified wood, small end of 4594.
- 4597 Howlite, Mojave Desert, California (identification checked with  
X-ray, 11-X-61). J. Harrington, Leduc, Alberta.
- 4598 Blue calcite, California (Crestmore?), near Los Angeles.  
J. Harrington, Leduc.
- 4599 Opal, brown. About 20 miles west of Spokane. Collected by  
Rev. Paul Gross, Espanola, Washington, 3 miles north of Highway 2,  
Hutterite colony near Nike site No. 2. Presented by Dr J.  
Hostetler, Sociology Department.
- 4600 Native copper, Calumet, Michigan, Hecla Mine. Presented by  
J. Dunaway, August 7, 1961.
- 4601 Pumicite (volcanic ash), NE Sec. 18, Twp 13 Rge 15 W3, Sask.  
(near Swift Current), Cypress formation(?). P.S. Warren, 1928.
- 4602 1-131. Purchased from Scott-Williams Mineral Company, Scottsdale,  
Arizona. 28 mineral samples for Geology 201 students in drawer  
cabinet in AB 192. October, 1961.
- 4602-1 Moonstone (India), white
- 4602-2 Actinolite (California)
- 4602-3 Actinolite (vermont)
- 4602-4 Amphibole, hornblende (Canada)
- 4602-5 Amphibole, hornblende (Norway), crystal sections

4602-6	Biotite, (Norway)
4602-7	Calcite, Iceland spar (Mexico)
4602-8	Corundum (Canada)
4602-9	Corundum (Island of Madagascar)
4602-10	Dolomite (Oklahoma)
4602-11	Galena (Kansas)
4602-12	Garnet, Almandine (Alaska)
4602-13	Graphite (Canada)
4602-14	Gypsum, Selenite (Sicily)
4602-15	Kaolinite (England)
4602-16	Labradorite (Island of Madagascar)
4602-17	Limonite (England)
4602-18	Magnetite (Austria)
4602-19	Niccolite (Bolivia)
4602-20	Obsidian (Arizona)
4602-21	Oligoclase (Norway)
4602-22	Orthoclase (Arizona)
4602-23	Pyroxene, Augite (Oregon)
4602-24	Pyrrhotite (England)
4602-25	Quartz, Rose Quartz (South Dakota)
4602-26	Talc (Georgia)
4602-27	Talc (Vermont)
4602-28	Topaz (Colorado), Brown Derby Mine
4602-29	Alabandite (Mexico)
4602-30	Albite, Cleavelandite (California)
4602-31	Albite, Cleavelandite (New Mexico)
4602-32	Albite, Cleavelandite (new Mexico)



- 4602-33 Albite, Cleavelandite (Norway)
- 4602-34 Albite, Moonstone (India), green
- 4602-35 Allemontite (Canada)
- 4602-36 Altaite (Colorado)
- 4602-37 Amphibole, Hastingsite (Canada)
- 4602-38 Amphibole, Hornblende (Canada)
- 4602-39 Amphibole, Hornblende, (Norway), single crystal prisms
- 4602-40 Apatite (Mexico), yellow transparent terminated single crystal with feathers
- 4602-41 Arsenopyrite (Mexico), tin-white metallic crystal groups
- 4602-42 Calcite (Mexico), rhombohedral crystals
- 4602-43 Chalcopyrite (Kansas)
- 4602-44 Cinnabar (Mexico)
- 4602-45 Cinnabar (Spain)
- 4602-46 Copper (Arizona), Pima County
- 4602-47 Copper (Michigan)
- 4602-48 Corundum (Island of Madagascar), single crystals
- 4602-49 Diamond (South Africa), crystals with a variety of forms
- 4602-50 Diamond (South Africa), fluorescent crystals
- 4602-51 Fluorite (Illinois)
- 4602-52 Fluorite (Italy)
- 4602-53 Fluorite (England), twin crystals and groups
- 4602-54 Galena (Kansas), octahedral crystals
- 4602-55 Garnet, Almandine (Alaska), in biotite quartz schist
- 4602-56 Garnet, Almandine (Island of Madagascar), single crystals, trapezohedron and dodecahedron
- 4602-57 Garnet, Andradite (Arizona)
- 4602-58 Garnet, Spessartite (Australia)
- 4602-59 Garnet, Uvarovite (Canada)

- 4602-60 Specular Hematite (England), Bottalack Mine
- 4602-61 Gypsum (Mexico)
- 4602-62 Halite (California)
- 4602-63 Hematite (Arizona), compact red botryoidal-to-reniform mass with fibrous structure
- 4602-64 Hematite (Arizona), black rhombohedral crystals scattered on quartz crystals
- 4602-65 Hematite (Italy), black single rhombohedral
- 4602-66 Kaolinite (England), Carlsbad twin orthoclase crystals
- 4602-67 Magnetite (Arkansas)
- 4602-68 Marcasite (Mexico)
- 4602-69 Microcline, Amazonite (Colorado), large green crystals
- 4602-70 Muscovite (North Carolina)
- 4602-71 Obsidian (Mexico)
- 4602-72 Oligoclase, Sunstone (Norway)
- 4602-73 Olivine (New Mexico)
- 4602-74 Olivine, Peridot (Arizona)
- 4602-75 Orthoclase (Arizona)
- 4602-76 Phlogopite (Island of Madagascar)
- 4602-77 Pyrite (Arizona)
- 4602-78 & 79 Pyrite (Italy), 12 mm & 2x2"
- 4602-80 Pyroxene, Aegirite (Arkansas)
- 4602-81 Quartz, Agate (Mexico)
- 4602-82 Quartz Amethyst (Mexico) *2 Samples - a (larger) and b (smaller)*
- 4602-83 Quartz Beta Quartz (Arizona)
- 4602-84 Quartz, Rutilated (Brazil)
- 4602-85 Rhodochrosite (Mexico)
- 4602-86 Serpentine, Chrysotile Asbestos (Arizona)
- 4602-87 Silver (Michigan)

- 4602-88 Sphalerite (Arizona)
- 4602-89 Sphalerite (England)
- 4602-90 Sphalerite (Mexico)
- 4602-91 Sphalerite (Ohio)
- 4602-92 Sulphur (Sicily)
- 4602-93 Topaz (Brazil)
- 4602-94 Tourmaline (California), pink, transparent terminated single xls.
- 4602-95 Tourmaline (California), large, bi-colored crystal prisms.
- 4602-96 Banded Green Malachite, Etoile du Congo mine, near Elizabethville
- 4602-97 Banded Green Malachite, with crystal surface
- 4602-98 Breccia Malachite, Etoile du Congo mine, near Elizabethville
- 4602-99 Malachite crystals on Wad, Etoile du Congo mine
- 4602-100 Botryoidal Malachite, Etoile du Congo Mine, Stalactite
- 4602-101 Polished "Bullseye" Malachite, Etoile du Congo Mine
- 4602-102 Carnotite, A hydrated potassium, uranium oxide. Kambove.
- 4602-103 Cuprite, Etoile du Congo Mine
- 4602-104 Limonite pseudomorph after Pyrite, Kalongwe.
- 4602-105 Sphaerocobaltite, Cobalt carbonate, Etoile du Congo Mine
- 4602-106 Torbernite, A hydrated phosphate of copper and uranium. Kalongwe.
- 4602-107 Uraninite, Uranium oxide, Shinkolowbe.
- 4602-108 Golden barite crystals, Eagle mine, Gilman, Colorado
- 4602-109 Bravoite, Iron nickel sulfide, Rico Argentine mine, Rico, Colorado
- 4602-110 Miargyrite, Silver antimony sulfide, Randsburg, San Bernardino, California.
- 4602-111 Precious Opal on ferruginous argillaceous sandstone, Quilpie, Australia
- 4602-112 Spodumene-Hiddenite, Rare chromium-bearing spodumene, Cuyete, Brazil
- 4602-113 Gersdorffite, Falconbridge Mine, Sudbury, Ontario, Canada

- 4602-114 Chalcopyrite crystals on Dolomite crystals, Robson Mine, Treece, Kansas
- 4602-115 Uranothorianite, Antanimora, Island of Madagascar
- 4602-116 Bismuthinite, Froland, near Arendal
- 4602-117 Pyrochlore, Larvik
- 4602-118 Zircon, Stokøy, Langesundsfjord, with brilliant orange fluorescence
- 4602-119 Amethyst crystals - Mata Pero am Catalan, San Eugenio, Northern Uruguay
- 4602-120 Brown Tourmaline crystals on Rhyolite, San Luis Potosi, Mexico
- 4602-121 Brazilianite, Mantena, Minas Gerais, Brazil
- 4602-122-3 Tektites, Phang Daeng, Pailin district, Thailand (Siam)
- 4602-124 Boulangerite, Cleveland mine, Stevens County, Washington
- 4602-125 Sylvanite, Portland mine, Cripple Creek, Teller County, Colorado
- 4602-126 Barite, Cockscomb crystal group, Fourstones, Northumberland, Eng.
- 4602-127 Barite, Large single terminated crystal, Knoch, Westermoreland, Eng.
- 4602-128 Samarskite, with Monazite, Fone, near Gjerstad, Norway
- 4602-129 Native- Silver-copper, Halfbreed Nugget, Keweenaw Peninsula, Mich.
- 4602-130 Ruby Corundum crystals with andesine, phlogopite, and sillimanite, Froland, near Arendal, Norway.
- 4602-131 Witherite, pure group of twinned crystals, Fourstones, Northumberland, England.
- 4602-132 Molybdenite, between Harrison Lake and Fraser River, (near Yale, British Columbia)
- 4603 Grenville metamorphic and intrusive suite, 10 specimens, Gatineau Parkway northwest of Ottawa, June 3 and 4, 1961. R.A. Burwash. For Geology 508 suite.
- 4604 Orthoclase L.31, R.X. Sebastopol, Renfrew County, Ontario. McGill University. (Old number 313/1342 do not correspond to orthoclase in catalogue).

- 4605 Covellite, Cora Mine, Butte, Montana; weight about 10 1/4 lbs, price \$22. Purchased from Osborn Smith, Butte, June 1935.
- 4606 Purcell diorite sill in Kitchener formation. Cranbrook map-sheet (396A). 0.9 miles west of north end of peninsula in Hahas Lake. From F.A. Reinartz, Kimberley, B.C. to R.A. Burwash, November 20, 1961.
- 4607 Native copper in conglomerate (an old uncatalogued specimen, probably from Houghton County, Michigan).
- 4608 Gold in conglomerate (an old uncatalogued specimen, probably from South Africa).
- 4609 Blue Earth, diamond matrix, Kimberley Mines, South Africa, Foote, Philadelphia (an old uncatalogued specimen).
- 4610 Yellow Ground, from 300' plus, in open pit, Mwadui, Tanganyika (Williamson Diamonds). Yellow Ground goes 400-500' down. Ray Lucas, 1961.
- 4611 Kimberlite, Kimali area, Tanganyika. An unusual type, not as weathered as normal for the area. Ray Lucas, 1961.
- 4612 Ilmenite from pipe, Kimali area, Tanganyika (near Mwadui). Ray Lucas, 1961.
- 4613 Mainly zircon, Mwadui, Tanganyika. Ray Lucas, 1961.
- 4614 Garnet, Kimali area, Tanganyika (100/1 ilmenite to garnet). Ray Lucas, 1961.
- 4615 Chrome diopside, ilmenite, zircon, garnet, Mwadui, Tanganyika. Ray Lucas, 1961.
- 4616 Pyrochlore, Panda Hill, S. Tanganyika. Ray Lucas, 1961.
- 4617) Lava, from Nass Valley, northwestern British Columbia.  
 4618) Presented by Paul Johnston (Geology 201 student),  
 4619) December, 1961. 4617 - Scoria; 4618 - Ropy lave; 4619 - "Irregular," reddish.
- 4620 Pitchblende, with bloom. Gunnar Mines Ltd., Uranium City. Presented by Andy Turek, November 1961.
- 4621 Suite of samples of Athabasca Series, Uranium City, Saskatchewan, collected by R.A. Burwash, August 16 and 17, 1961.
- (1) Red argillite with ripple marks, road cut on steep hill, 0.25 miles east of Melville Lake.
- (2) Drill cores of Athabasca sandstone, Baska property, northeast side of Melville Lake.

- (3) Athabasca conglomerate, 0.7 miles south of Lorado Custom Mill, near mapped contact with Tazin, west side of road.
- (4) Athabasca sandstone, 2.0 miles southeast of Lorado Mine.
- 4622 Suite of specimens of Athabasca Series lava and gabbro sills, Uranium City, Saskatchewan, August 16, 17, 1961, R.A. Burwash.
- (1) to (5) Different phases of Athabasca Series basalts. From mine dump on side road leading to Pitchore property, 1.6 miles due west of Eldorado townsite.
- (6) Diabasic gabbro sill, on narrow peninsula between Martin Lake and Beaverlodge Lake, base of power line pole, 2.0 miles northeast of wharf at Lorado Mine.
- 4623 Tazin Series, amphibolite. 1/2 mile from southwest shore of Beaverlodge Lake, 1.4 miles southeast of Lorado Mine.
- (1) and (2) Two phases of amphibolite.
- 4624 Drill cores of fresh, porphyritic granite gneiss, Pre-Athabasca. Basca property, northeast side of Melville Lake.
- 4625 Granite, Eagle's Nest Island, Saganaga Lake, Minnesota. Collected by Z.E. Peterman, September 1961.
- 4626 Granite, Saganaga batholith, first new road cut on Gunflint Trail, south of Seagull Lake public dock (approx. 3 miles). Collected by Z.E. Peterman, September 1961.
- 4627 Granodiorite, Hunter Granite Quarry, SE 1/4, Sec. 12, Twp. 120 N, Rge 48 W, Minnesota River valley, Minnesota. Collected by R.S. Taylor, May 1960.
- 4628 Banded magnetite, 85°W 69°N, west coast Melville Peninsula, N.W.T. Collected by Hans Bielenstein, summer 1960.
- 4629 Caliche (sodium nitrate), Pampa Salitrera, Chile, The Chilean Nitrate Committee.
- 4630-4632 Silver ore from New Morrison Mine, Gowganda, Ontario. Donor, F.A. Campbell, 1952.
- 4630 Leaf silver in Nipissing diabase.
- 4631 Silver and calcite vein in diabase (polished sections a and b).
- 4632 Silver in calcite vein (polished sections a and b).
- 4633-4662 Suite of samples from Geology 507 field trip, May 1961. R.A. Burwash.

May 2, 1961 - Cranbrook to Creston, B.C.

- 4633 Ma 2-1 Contact of Wycliffe stock, porphyritic hornblende syenite intruding Lower Cambrian argillite and limestone. Vesuvianite in crystalline limestone.
- 4634 Ma 2-2 Intrusive plug, cutting Creston formation, 9.0 miles north of Cranbrook.
- 4635 Ma 2-3 Purcell diorite sill, in railroad cut, 4 miles south of Cranbrook on Highway 3.
- 4636 Ma 2-4 Purcell diorite sill, basal hornfels, 0.1 miles east of Irishman Creek bridge, Highway 3.
- 4637 Ma 2-5 Purcell diorite dyke(?), just below dam of West Kootenay Power Company, Goat River Canyon, 4 miles east of Creston.

May 3, 1961 - Rykert Batholith and Creston to Kootenay Bay

- 4638 Ma 3-1 Biotite gneiss, west side of river flats, 4.0 miles south of ferry across Kootenay River (G.S.C. Map 603A).
- 4639 Ma 3-2 Basic dyke, microcrystalline with feldspar phenocrysts, 0.3 miles south of contact of Bayonne batholith, mile 10.7, Highway 3.
- 4640 Ma 3-3 Contact zone, south margin Bayonne batholith, Mile 11.0.
- 4641 Ma 3-4 Gneissic granite and biotite hornfels, Redman Point, Mile 21.2.
- 4642 Ma 3-5 Porphyritic granite, 0.3 miles south of Sanca roof pendant, Mile 24.2.
- 4643 Ma 3-6 Minette dyke cutting Horsethief Creek formation, Mile 34.1.
- 4644 Ma 3-7 Metasediments, north contact Grey Creek stock, Mile 47.7.
- 4645 Ma 3-8 Large diopside crystals, in actinolite schist (Badshot formation), Mile 48.5.
- 4646 Ma 3-9 Muscovite-biotite schist, basal Lardeau formation, Mile 48.65.

May 5, 1961 - Trip to Nelson, Ymir and Salmo

- 4647 Ma 5-1 Actinolite-calcite hornfels, Slocan Series, 3.6 miles west of ferry landing at Balfour.
- 4648 Ma 5-2 Granodiorite, Nelson batholith, 2 miles east of Kokanee Creek camp ground.
- 4649 Ma 5-3 Granodiorite, Nelson batholith, cut by diabase dyke, 0.4 miles west of Kokanee Creek camp ground.

- 4650 Ma 5-4 Augite andesite, Jurassic(?), 6.2 miles south of courthouse in Nelson, B.C., on Highway 6.
- 4651 Ma 5-5 Calcareous argillite, Jurassic(?), 14.7 miles south of Nelson on Highway 6.
- 4652 Ma 5-6 Ymir augite syenite, quarry on railway track, 1 1/4 miles south of Ymir, B.C.
- 4653 Ma 5-7 Ymir augite monzonite, in road cut 1 1/2 miles south of Ymir, B.C., Highway 6.
- 4654 Ma 5-8 Monzonite, Canadian Exploration Company, Jersey Mine, 7 miles south of Salmo, Highway 6.
- 4655 Ma 5-9 Shonkinite, Canadian Exploration Company, Jersey Mine, 7 miles south of Salmo, Highway 6.
- 4656 Ma 5-10 Granite, mine stock, Sheep Creek, 6 miles east of Highway 6.

May 7, 1961 - Trip to Trail and Rossland, on Highway 3

- 4657 Ma 7-1 Pegmatite with molybdenite, south shore of Kootenay River, 1/2 mile east of bridge at Taghum, B.C., 5 miles west of Nelson.
- 4658 Ma 7-2 "Pseudodiorite," contact zone of Jurassic metavolcanics and Nelson granodiorite, 1.5 miles west of bridge over Kootenay River at Taghum.
- 4659 Ma 7-3 Basic dyke, 4 feet wide, cutting Leuco-hornblende diorite, 2.2 miles east of junction with road to New Denver.
- 4660 Ma 7-4 Serpentine, 6.5 miles west of Rossland (bus depot), Highway 3.
- 4661 Ma 7-5 Fine-grained ultrabasic, 7.7 miles west of Rossland.
- 4662 Ma 7-6 Serpentine, 9.0 miles west of Rossland, top of long hill on Highway 3.

End of set

- 4663 (1-30) Limestone, Mississippian and Devonian, Madelein Suska.
- 4664 Muscovite pegmatite, Lacorne batholith, Ontario. F.A. Campbell, August 1961.
- 4665 Basalt, Mauna Loa, Hawaii, 1843 flow. Dr A.T. Abbott, Department of Geology, University of Hawaii, December 1961.
- 4666 Picrite basalt, Kilauea, Hawaii; prehistoric flow. Dr A.T. Abbott, Department of Geology, University of Hawaii, December 1961.



- 4667 Olivine basalt, Mauna Loa, Hawaii, 1950 eruption.  
Miss E. Dingman, December 1961.
- 4668 Basalt boulders, Hawaii: a) Olivine-rich basalt; b) Olivine  
basalt, cf. 4667. Miss E. Dingman, December 1961.
- 4669 Hawaiian Beach sands: a) Green sand (olivine), Kaulana Bay,  
Kau, Hawaii; b) Black sand (basalt), Punaluu Beach, Kay, Hawaii.  
Miss E. Dingman, December 1961.
- 4670 Pollucite, Bernie Lake, approximately 70 miles north of Winnipeg.  
William L. McDonald, September 13, 1961.
- ✓ 4671 Molybdenite, Stormy Mountain, Yukon Territory.  
William L. McDonald, September 13, 1961.
- 4672 Lead silver, Ketza Mountain, Yukon Territory.  
William L. McDonald, September 13, 1961.
- ✓ 4673 Asbestos, Cassiar Asbestos Mine, British Columbia.  
William L. McDonald, September 13, 1961.
- 4674 Edmonton conglomeratic phase, Red Deer River just below Content  
Bridge, SW 27-38-22 W4. R.L. Rutherford, August 1936.
- 4675 Paskapoo sandstone; 2-21-29-17 W4  
J.O.G. Sanderson, Field No. 32, Book 3, p. 2-3.
- 4676 Paskapoo sandstone; -14-28-22 W4  
J.O.G. Sanderson, Field No. 36, Book 3, p. 11.
- 4677-4686 Basement Cores - Zell E. Peterman
- 4677 White Rose St Denis  
4-16-37-1 W3  
5406 to 5410 feet
- 4678 Amerada #1 Antelope Unit "A"  
1-152N-95W, McKenzie County, North Dakota  
15,128 feet
- 4679 Amerada #1 Iverson-Nelson Unit  
NE, 2-155N-96W, Williams County, North Dakota  
13,603 feet
- 4680 Herman Hanson Oil Syndicate No. 1 Mueller  
20-140-65W, Stutzman County, North Dakota
- 4681 Carter-Northern Ordnance No. 1 Franklin Investment Co.  
NW/4 SW/4 35-133N-75W, Emmons County, North Dakota

- 4682 Union Oil Co No. 1 Skjervheim  
C NW/4 NW/4 28-159N-63W Cavalier County, North Dakota  
3408 feet
- 4683 Samples from Lynn Lake and Flin Flon, Manitoba. Collected  
August 21-25, 1961, by R.A. Burwash and Z.E. Peterman.
- Au 21-1 to Au 21-8 )  
Au 22-1 to Au 22-5 )  
Au 23-1 to Au 23-5 ) inclusive  
Au 24-1 to Au 24-9 )  
Au 25-1 to Au 25-7 )
- 4684 Samples from Little Rocky Mountains, Montana. Collected  
October 1960 by G. Hunt and Z.E. Peterman. Includes sample  
LRM-1 to LRM-9.
- 4685 Samples from Little Belt Mountains, Montana. Collected  
November 1960 by G. Hunt and Z.E. Peterman. Includes LB8-LB-10.
- 4686 Porphyritic biotite granite, west side of Clut Lakes stock,  
Stony Rapids area, Saskatchewan. Collected by Z.E. Peterman  
(see Colborne, 1961, Sask. Dept Miner. Res. Rept. 58).
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- 4690-4705 Lower and Middle Edmonton formation near Drumheller. Collected  
by J.F. Lerbekmo, March 17-18, 1962
- 4706-4711 Upper Edmonton and Paskapoo sandstone, Red Deer Valley area  
near Big Valley. Collected by J.F. Lerbekmo, March 28, 1962
- 4712 Upper Edmonton sandstone, above Ardley seam, Ardley, Alberta.  
Collected by J.F. Lerbekmo, March 28, 1962
- 4713 Trachyte porphyry, dyke rock, Matachewan, Ontario.  
F.A. Campbell, 1961
- 4714 Ardley coal seam bentonite, NE/4-13-34-22 W4. Collected by  
J.F. Lerbekmo, May 1962
- 4715-4722 Upper Edmonton sandstone, Red Deer River valley, west of Scollard.  
Collected by J.F. Lerbekmo, April 1962
- 4723-4724 Basal Paskapoo sandstone, 3/4 mile west of Ardley on east bank  
of Red Deer valley. Collected by J.F. Lerbekmo, April 1962
- 4725-4731 Upper Edmonton and Paskapoo sandstone, west bank of Red Deer  
River east of Huxley (NE/4-13-34-22 W4). Collected by J.F.  
Lerbekmo, May 1962
- 4732 Edmonton shale. M. Shafiullah, May 1962

- 4733 Paskapoo sandstone, Threehills Creek, NW/4-NE/4-12-31-24 W4
- 4734-4736 Edmonton and Paskapoo sandstone, New Ghost Pine mine pit, Ghost Pine, Alberta, NW/4-21-31-22 W4
- 4737 Edmonton bentonite, " "
- 4738 Edmonton shale, " "  
Collected by J.F. Lerbekmo, May 1962
- 4739-4742 Edmonton and Paskapoo sandstone, tributary to Red Deer River, 5-30-31-21 W4. Collected by J.F. Lerbekmo, May 1962
- 4743 Bentonite in upper Ardley coal seam, west bank of Red Deer River, east of Huxley, NE-NW boundary -13-34-22 W4. May 1962 (Shafiqullah)
- 4744-4745 Paskapoo sandstone, Pembina River bridge, Highway No. 16. M. Shafiqullah and R.E. Folinsbee, 1962
- 4746 Shale, Pembina River bridge, Highway No. 16, M. Shafiqullah, 1962
- 4747 Sandstone from road cut, Strawberry Creek
- 4748 Shale from road cut, Strawberry Creek
- 4749-4750 Sandstone over bentonite, Bickerdike, 15-6-52- W5
- 4751 Shale over bentonite, Bickerdike, 15-6-52- W5
- 4752 Dunvegan Sandstone from Band I, Beatton River
- 4753 " " " " I, " "
- 4754 " " " " II, " "
- 4755 " " " " II, " "
- 4756 " " " " II, " "
- 4757 " " " " II, " "
- 4758 " " " " III, " "
- 4759 " " " " III, " "
- 4760 " " " " III, " "
- 4761 Coal and conglomerate, Cadomin
- 4762 Bi Syenite 0.8 m. S. of Ymir, R.E. Folinsbee
- 4763 Rutherford, ITSI Range, Yukon

- 4764 Galata, Mont. Ash.
- 4765 Fossils, Rock Glen, Sask.
- 4766 Fossils, From Gaspe
- 4767 Gabbro and Micropegmatite, Jaquet River, N.B.
- 4768 Ash and upper silt, St. Victor, R.E. Folinsbee
- 4769 Ash from road cut, south of Swift Current, R.E. Folinsbee
- 4770 Bentonite from Kneehills Tuff, 6" layer, impure
- 4771 Bentonites, Cadomin, Fish Scale, Mt. Parr, 1956.
- 4772 Lower bentonite gates, Hudson Hope
- 4773 Granite, Kootenay Lake, Granite products, Sirdar 1.5 M. north.
- 4774 Syenite M. 12.6 E. from Christina Lake
- 4775 Biotite rich sandstone, Hudson Hope, plus associated bentonites  
all from Gates anticline, 1957 .
- 4776 Kennco Exploration Ltd.
- 4777 Blairmore, large stream entering Oldman River at Oldman Falls,  
West side 1000' up, 1956.
- 4778 Sanidine grit, Mt. Lorette, Exshaw.
- 4779 Volcanic ash from quarry near Duncairn, Sask.
- 4780 Cordilleran granites, 1957, lights.
- 4781 B.C. granite, Armstrong
- 4782 B.C. granite, Pan. Am., 1959
- 4783 B.C. granite, K/A sep., Pan. Am., 1959.
- 4784 Granite, Whyte Cliff, Horseshore Bay
- 4785 Glauconite, from Jasper, Cambrian
- 4786 Rocks?
- 4787-4810 Dunvegan sandstones from type area. Collected by C.R. Stelck  
and J.M. Tater, October 1962

- 4811-4843 Brazeau and Cardium formations, Thistle Creek, Alberta  
(Twp 44 Rge 21 W5). Collected by J.F. Lerbekmo, 1959
- 4844a-d Wonah quartzite from Mountain Minerals Quarry at Golden, B.C.  
Collected by J.F. Lerbekmo, 1962
- 4845 Pekisko 'oolitic zone' Mobil Twining 8-12-33-25 W4, 5449'
- 4846 Prophet Formation (Mississippian) on Peace River at Fossil  
Point. Collected by J.F.L. on E.G.S. field trip, 1962
- 4847 Charlie Lake Formation (Triassic) on Peace River at Black Rock  
whirlpool. Collected by J.F.L. (see E.G.S. field trip, 1962)
- 4848 'Missinchinka Schist' (Cambrian?) on Peace River near mouth of  
Wicked River. Collected by J.F.L. (see E.G.S. field trip, 1962)
- 4849 Norman Wells limestone, 3 miles northeast of Norman Wells airport
- 4850 Tertiary tuffs, near Albany, Oregon. Coll. by P.O.Lerbekmo, 1961
- 4851 Cache Creek tuff, 7 miles west of Cache Creek. Coll. J.F.L. 1962
- 4852 Sandstone. Tributary of Colt Creek. Air photo 4813-17.  
Twp 42 Rge 15 W5. Coll. by J.F. Lerbekmo and M. Shafiqullah
- 4853 Shale. Ditto
- 4854 Sandstone. Ditto
- 4855 Shale. Ditto
- 4856 Sandstone. Ditto
- 4857 Sandstone. Ditto
- 4858 Tuff. Ditto
- 4859 Bentonite. Ditto
- 4860 Sandstone. Ditto
- 4861 Sandstone. Ditto
- 4862 Coal - channel sample Colt Creek, Twp 42 Rge 14 W5
- 4863 Bentonite, Colt Creek, Twp 42 Rge 14 W5
- 4864 Coal. Ditto
- 4865 Bentonite. Tributary of Colt Creek, Twp 42 Rge 15 W5
- 4866 Sandstone. Ditto

- 4867 Sandstone. Ditto
- 4868 Sandstone. Ditto
- 4869 Bentonite. Ditto
- 4870 Bentonite. Colt Creek, 42-15 W5
- 4871 Bentonite. Ditto
- 4872 Bentonite. Ditto
- 4873 Coal. Ditto
- 4874 Sandstone. Ditto
- 4875 Bentonite, in coal, above railway bridge at Saunders Station
- 4876 Coal seam, " "
- 4877 Sandstone, just south of highway bridge near Saskatchewan River,  
Rocky Mountain House
- 4878 Shuswap igneous phases, south shore Shuswap Lake, near Sorrento,  
B.C. Collected by J.F.L., 1962
- 4879-4894 16 samples of Dunvegan sandstone from type area - collected by  
C.R. Stelck and J.M. Tater, 1962
- 4895 Lower Cardium sandstone, collected by C.R. Stelck
- 4896 Nunki sandstone, collected by C.R. Stelck
- 4897 Tuskoola sandstone, collected by C.R. Stelck
- 4898 Pouce Coupe sandstone, collected by C.R. Stelck
- 4899 Doe Creek sandstone, collected by C.R. Stelck
- 4900 Priscacara pealei Cope, Green River formation  
Fossils, Wyoming
- 4901 Arietites obtusus, Lias Delta, Chippenham, England
- 4902 Encrinus liliformis, Triassic (Upper Muschelkalk), Crailsheim,  
Wurttemberg, Germany
- 4903 Schizoblastus, Permian, Kuafen, Amarassi Island of Timor
- 4904 Pisocrinus angelus, Devonian, Bundenbach, Germany

- 4905 Archaeaster, Devonian, Bundenbach, Germany
- 4906 Plummulites fraternus Barrande, Tremadoc Ord.  
Lodenice, Bohemia (VERY RARE!)
- 4907-4908 Goniatites sphaericus, found in glacial drift in northern Germany
- 4909 Zaphrentis prolifica, Devonian
- 4910 Miotermes spectabilis, Upper Miocene, Oeningen, Baden, Germany
- 4911 ?Hemiptera, Upper Miocene, Oeningen, Baden, Germany
- 4912 Libellula eurynome, Upper Miocene, Oeningen, Baden, Germany
- 4913 Muschelmarmor (shell marble) with opalescent shells of ammonites,  
Bleiberg, Kaernten, Austria
- 4914 Orthoceras, glacial drift, northern Germany
- 4915 Leptosomus macrourus, Sahel Alma (Teleostei)
- 4916-4918 Euomphalus catillus Sowerby, Kildare, Dublin
- 4919 Pikuosterinx dorsalis, Sahel Alma
- 4920 See 4928 - Lyme Regis, Jurassic
- 4921 Cidaris, Upper Jurassic, Sontheim, Germany
- 4922 Hoplites interruptus, Gault Inferieur (Albian), Dienville pre's  
Erienne (Aube), France
- 4923-4924 Penaeus speciosus, Upper Jurassic,  
Malm Zeta, Nusplingen, Germany
- 4925 Periechocrinus moniliformis Wenlock, Dudley, England
- 4926 Encrinus liliformis, Triassic, Upper Muschelkalk, Crailsheim,  
Wurttemberg, Germany
- 4927 Hildoceras bifrons, Upper Lias, Jurassic, Whitby, Yorkshire
- 4928 Turbo, Lower Jurassic (Toarcien), La Verpilliere (Isere), France
- 4929-4930 Baltic seashore - insects in fossil resin
- 4931 Taxocrinus sturtzei, Devonian, Bundenbach, Germany
- 4932 Helianthaster rhenanus, Lower Devonian, Bundenbach, Germany
- 4933 Diplomistus humilis, Green River, Wyoming
- 4934-4941 Bentonites - collected by R.E. Folinsbee and M. Shafiqullah, 1962

- 4934 Bentonite, Strawberry Creek; 2-5" above lower tuff.  
4--5-50-2 W5, 53°17'N, 114°06'W
- 4935 Bentonite, Strawberry Creek; above upper tuff
- 4936 Bentonite, Whitecourt
- 4937 Bentonite, in Wabamun coal seam
- 4938 Bentonite, above Wabamun coal seam
- 4939 Bentonite, Frenchman † formation, Cypress Hills
- 4940 Tuff, Battle formation, Cypress Hills
- 4941 Bentonite, Bickerdike
- 4942-4952 Bentonites, from upper Ardley coal seam, Trochu-Three Hills area,  
Alberta, collected by J.D. Campbell, 1958-1960
- 4942-4945 Scollard Canyon, 14-13-34-22 W4
- 4946-4947 Donaldson School House Coulee, NE/4-31-33-22 W4
- 4948-4950 East Trochu Mine, 10-14-33-23 W4
- 4951-4952 Trentham Mine, 9-22-31-24 W4
- 4953-4959 Left blank - lost entry sheet



4960. Kyanite - Garnet Gneiss, Big Bend district. Said to come from 90 miles north of Revelstoke. Donor to museum: C.F. Upper, Montana Lake Museum, Revelstoke, B.C. [to R.A.B. June 1963]
- 4961- R.A. Burwash and F.A. Campbell. Simpson Island, Prosperous  
4982 Lake and Yellowknife, N.W.T., June 17-27, 1963
- 4961 RAB-63 Jn. 19 - D.D.H. 62-04  
a-dd 30 samples [Profile I]
- 4962 RAB-63 Jn. 19 - D.D.H. 62-05  
a-kk 37 samples
- 4963 RAB-63 Jn. 19-1 to Jn. 19-6  
a-f 6 samples of dyke and wall-rock from pits near "Easter Island" mineral showings
- 4964 RAB-63 Jn. 20-1 to Jn. 20-19  
a-s 19 samples across dyke from footwall to 375 feet [hanging wall] [Profile III]
- 4965 RAB-63 Jn. 21-1 to Jn. 21-15  
a-o 15 samples across dyke from footwall to 350 feet [hanging wall] [Profile VI]
- 4966 RAB-63 Jn. 21-16  
Syenite dyke rock cut by quartz-hematite veins
- 4967 RAB-63 Jn. 22-1 to Jn. 22-23  
a-w 23 samples across dyke from footwall [north] to 380 feet [hanging wall, south]. [Profile II]
- 4968 RAB-63 Jn. 23-1 to Jn. 23-12  
a-l Samples across dyke from north contact to 325 feet [end of outcrop] [Profile V]
- 4969 RAB-63 Jn. 24-1 to Jn. 24-32  
a-ff Samples across dyke from south contact to north contact, including diabase dyke within the syenite. [Profile IV]
- 4970 RAB-63 Jn. 24-33  
Biotite-Garnet Gneiss at camp site on small island just to south of peninsula with dyke on Simpson Island north.
- 4971 RAB-63 Jn. 25-1 to Jn. 25-3  
a-c Caribou Island. 3 phases of syenite-diorite intrusive taken from shore inland near northeast point of island
- 4972 FAC-63 Jn. 25-1, Jn. 25-2  
a, b Country rock of syenite intrusive.  
a - 200 feet away from contact - limestone  
b - limestone-syenite contact  
Exposures generally poor.

- 4973 RAB-63 Jn. 25-4  
Spodumene-bearing pegmatite. East shore of small bay at south end of Prosperous Lake. On new road to Prelude Lake.
- 4974 RAB-63 Jn. 25-5  
Samples of differentiated basic dyke [Ni, Cr, V] west of Ptarmigan Mine on new road northeast of Yellowknife
- 4975 RAB-63 Jn. 25-6  
Kam Lake diabase dyke - chilled contact for K-Ar dating. Strikes N 30° E. [RAB-58 Jy. 27-4]
- 4976 Surface samples of gold-quartz vein from Negus property  
*Coll. RAB JUNE, 1963*
- 4977 RAB-63 Jn. 21-1 & 4 [same as RAB-58 Jy. 26-4]  
a, b Diabase dyke, Prosperous Lake  
a - center of dyke 170 feet wide, striking N 80° E  
b - chilled margin of 170-foot dyke
- 4978 RAB-63 Jn. 26-2 & 3 [same as RAB-58 Jy. 26-5]  
a, b Diabase dyke, Prosperous Lake. Dyke 2 feet wide, 30 feet south of dyke 170 feet wide.  
a and b - samples of chilled dyke margin taken 10 feet apart.
- 4979 RAB-63 Jn. 26-5  
Diabase dyke, 4 feet wide, 450 feet north of dyke 170 feet wide, same strike, but probably a branch.  
Chilled contact with muscovite granite.
- 4980 RAB-63 Jn. 26-6 to Jn. 26-12  
a-g Sample profile across diabase dyke 300 feet wide. Strike N 70° E.
- 4981 RAB-63 Jn. 26-13  
Diabase dyke, 9 inches wide, fine-grained, strike N 10° E, cuts 300-foot dyke.
- 4982 RAB-63 Jn. 26-13  
a, b Diabase dyke, striking N 45° W. One-half mile southwest of Yellowknife Hotel, outcrop on southeast side of road.  
a - chilled margin  
b - medium-grained [same as YK-2, RAB-53]
- \* \* \* -----
- 4983 Recent Basalt. Lava Lake, Nass River area, British Columbia.  
Collected June, 1963, L.V. Hills
- 4984 RAB-60 Ma. 1  
Basic dyke - cuts Nelson batholith. E.C. Highway 3, Kokanee Creek Park, near Nelson.

- 4985-4990 Kneehills Tuff, underlying Mauve Shale. Scollard Canyon, Red Deer River.
- 4991-4997 Kneehills Tuff, underlying Mauve Shale. Threehills Creek, Alberta.
- 4998 Basal Paskapoo SS. Threehills Creek, N.E. 1/4, sec. 14, Tp. 30, R. 23, W. 4.
- 4999 Brown (Paskapoo Type) SS. Ltinc on #12? Coal Steam, Threehills Creek, S.E. 1/4, Sec./4, Tp. 30, R. 23, W. 4.
- 5000 Paskapoo Type, SS. 5, Kneehills Tuff, N. Bank of Threehills Creek, 1/4 mile North of 4999.
- 5001 Bentonite in thin coal bed. List below #5000.
- 5002 Edmonton, SS. 15' below Kneehills Tuff at, same place as Sample #5000.
- 5003 Jade, 50-lb. block, 51/4" x 53/4" x 141/2", Yalacume River, Bridge River Dist., B.C. Presented by Winnie Robertson, #12 Terrace Heights Trailer Court, S. Edmonton, November 7, 1963. Cut from 21/2 ton boulder from stream (Yalacum River) bed. Obtained via Ed Osterland, Moha Road, Yalacum River, Lillooet, B.C., has main block.
- 5004 Llmenite, Upper Foster Lake, 120 miles N.W. of Lac la Ronge, Sask. Llmenite sill 10-40' thick, miles in extent. Ray Lucas, September 1961. (Lucas has abandoned geology - now Trade Commissioner to Australia 1963 RST).
- 5005 Pebble, Iron Creek, Snake R., Yukon, Crest Exp. R.A.F. 1963.
- 5006 Indarch (Enstatite chondrite) Mt. 147: 1 grams. Indarch, Shusha, Elisavatpol Trans cavcasus U.S.S.R., Fell 4/7/1891. Exchange for Cltic. Wat. Hist. Museum PR. 1
- 5007 Collection of 41 igneous and metamorphic rocks from Europe (mostly Germany). Donated by K.O. Parsch 1917 - 11 Ave. S.W., Calgary Nov.-Dec. 1963.

European Igneous & Metamorphic Rocks

- 5007-1 Graphite-gneiss, Passau, Bavaria, Germany.
- 5007-2 Quartz-schist, Riegersdorf, Silesia, Poland.
- 5007-3 Pegmatite-gabbro (?), Ehrsberg, Baden, Germany
- 5007-4 Red serpentine, Zoebnitz, Saxony, Germany

- 5007-5 Anorthosite, Hag, Baden, Germany.
- 5007-6 Gabbro, Ehrsberg, Baden, Germany.
- 5007-7 Olivine-gabbro. Ehrsberg, Baden, Germany.
- 5007-8 Mica-schist, Villach, Austria.
- 5007-9 Garnet-serpentine, Zoebnitz, Saxony, Germany.
- 5007-10 Amphibole-gneiss, Waldmatt, Baden, Germany.
- 5007-11 Granite-porphyry, Schenkenzell, Gaden, Germany.
- 5007-12 Trachyte-tuff, Nordlingen, Wurttemberg, Germany.
- 5007-13 Quartz-porphyry, Turkstein, Alsace, France.
- 5007-14 Volcanic cinder, Gerolsheim, Eifel, Germany.
- 5007-15 Baslat, Kaltennordheim, Rhon, Germany.
- 5007-16 Granite, Weinheim, Baden, Germany.
- 5007-17 "Black syenite", Wibro, Sweden.
- 5007-18 Granite-porphyry, Turracherhohe, Steiermark, Austria.
- 5007-19 Orthoclase-porphyry, Wachenberg, Baden, Germany.
- 5007-20 Muscovite-granite, (Kegelbach granite), Enx-valley, Austria.
- 5007-21 Keratophyre, Schirmeck, Vosges, France.
- 5007-22 Pitchstone, Phylolite, Oberhohendorf, Saar, Germany.
- 5007-23 Hornblende-granite, Rohmatt, Baden, Germany.
- 5007-24 Melaphyre, (Tholeyite), Theisbergstegen, Pfalz, Germany.
- 5007-25 Lava, Vesuvius, Italy.
- 5007-26 Quartz-porphyry, Varnhalt, Baden, Germany.
- 5007-27 Granite, Mambach, Baden, Germany
- 5007-28 Nepheline-basalt, Zwota, Thuringia, Germany.
- 5007-29 Pumice, Liparite (rhyolite), Camaldoli, near Naples, Italy.
- 5007-30 Dike-granite, Freudenstadt, Baden, Germany
- 5007-31 Biotite-granite, Schenkenzell, Baden, Germany
- 5007-32 Marble, Hohenberg, near Eger, Czechoslovakia

- 5007-33 Limburgite, Limburg, near Sasbach, Hesse, (Baden ?) Germany.
- 5007-34 Syenite, Rothenbach, Franconia, Germany.
- 5007-35 Syenite, Wolsau, Franconia, Germany.
- 5007-36 Granite, Fuchsbau, Franconia, Germany.
- 5007-37 Granite, Kornberg, Franconia, Germany.
- 5007-38 Granite, Waldstein, Franconia, Germany.
- 5007-39 Diabase-porphry, Georgental, Saxony, Germany.
- 5007-40 Diabase, Ochsenkopf, Upper Franconia, Germany.
- 5007-41 Phonolite, Pethau, Saxony, Germany.
- All localities marked "Baden" are in the Black Forest.
- 5008 Cal standard set of Iron Ore from Snake River.
- 5008-1 Conglomerate within Iron Formation, IF. 109-63, 131.5-134.5.
- 5008-2 Overlying Carbonate.
- 5008-3 Poor overlying Iron formation IF 109-63, 20.5-27.0.
- 5008-4 Overlying Quartzite.
- 5008-5 Overlying conglomerate, IF 109-63, + 120.
- 5008-6 Irregular Jasper patches, IF 109-63, Approx. 263-264.5.
- 5008-7 Lower Iron Band, IF 109-63, 470'-501'.
- 5008-8 Maroon Lenses, IF 109-63, 125'-133.5' (List: 470-501)
- 5008-9 Red Lenses, IF 109-63, 86.5'-89.0'.
- 5008-9 II Red Lenses, IF 109-63, 86.5-89.0.
- 5008-10 Marker Sandstone bed, IF 109-63, Approx. 100'.
- 5008-11 Marker Sandstone bed, IF 109-63, Approx. 210'.
- 5008-12 Red Ovoid, IF 109-63, 190'-195'.
- 5008-13 Underlying Sandy Conglomerate Mudstone, IF 109-63.
- 5008-14 Poor Very Jasperoid Hematite, IF 109-63, 37.5'-39.5'.

- 5008-15 Rich in Hematite, IF 109-63, 162.5'-172.5'.
- 5008-16 (Lacking) Underlying Carbonate.
- 5008-17 Marron Band, IF 109-63, Approx. 240'-245'.
- 5008-18 Red Jasper Bands, IF 109-63, Approx. 129'.
- 5008-19 Relict Texture, IF 109-63, 214'-223'.
- 5009 Galena in Dolomite, sphalerite, Beaver River, Pan American  
 Pb-isotopes B.R. 206/207 207/204 208/204  
 20.06 15.96 40.55  
 P.P. 18.2 15.6 38.5 R.E.F.
- 5010 Copper ore, mostly tetrahedrite? Redstone Mines Ltd.,  
 Yukon - N.W.T. border R.A.F. 1962.
- 5011 Copper ore (Butle, Montana?)
- 5012 Bismuth (possible Ag?)
- 5013 Homestake Mine? - Arsenopyrite, Pyrrhotite, Gold?
- 5014 Rycon Mine, Yellowknife District, N.W.T. Samples from  
 stope # S-3124ZF. George MacVittie, Con.Yk.
- 5015 Swan Hills Reef, Judy Creek Field.
- 5016 Sullivan Mine, Kimberly B.C. Lead-Zinc ore replacing  
 Aldrich Formation.
- 5017 Pine Point, Great Slave Lake, N.W.T. Lead-zinc ore (several  
 spec.) J.D.B. (Bruce) Hills, Peace River, Alberta.  
 Later donation, 28 -X - 64 catalogued 6009.
- 5018 Barite Crystals from Libya. Dennis I. Holliss, P. O. Box  
 693, Tripoli, Libya.
- 5019-5029 Type Ravenscrag sandstones, Ravenscrag Buttes, 4 mi. E. of  
 Ravenscrag, Sask.
- 5030-5037 } Frenchman & Ravenscrag ss, Adams Creek, Cypress Hills,  
 Sask. (SE1/4 Sec. 17, Tp. 7, R.28W3
- 5038 } <sup>in GH</sup> Eastend Formation, Campground Gate, Elkwater, Alberta  
 #49
- 5039-5046 } Frenchman ss, Ferguson Rd. S. of Elkwater Lake, Alberta.
- 5047-5049 } Ravenscrag ss, Hwy. 48, S. of Elkwater Lake, Alberta.
- 5050-5058 Paskapoo ss, RR cuts 1 mi. to 3 mi. E. of Saunders,  
 Alberta

- 5059 Wonah Qtzite., Mountain Minerals Glass Sand Quarry, on Moberly Mt. 3 mi. N. of Golden, B.C.
- 5060-5068 Edmonton ss between carbon? and Ardley coal seams E. of Wood Lake (E1/2 Sec. 14, Tp. 37, R 22W4) Red Deer Valley.
- 5069 Pask? ss over Ardley coal. Abandoned strip<sup>Pit</sup> RT (NW1/4 Sec. 22, Tp. 37, R22W4) Red Deer Valley.
- 5070-5074 Upper Edmonton ss, between Kneehills Tuff & Ardley seam, Breda Coal Mines, (NE1/4, Sec. 12, Tp. 36, R 22W4) Red Deer Valley.
- 5075 Pask? ss, 40' above upper Ardley coal., (NW1/4 Sec. 13, Tp. 34, R22W4) Red Deer Valley.
- 5076-5077 Upper Edmonton ss 45' & 83' above Kneehills Tuff, Trenville Area (NW1/4, Sec. 13, Tp. 36, R22W4) Red Deer Valley.
- 5078,5079 Pask. ss about 100' and 200' above Red Deer River at Brooksley Bridge.
- 5080 4' Black Shale in Edmonton Formation, 3/4 mi. down James River from Junction of Forrestry Trunk Rd. & James River Road (See Beach, G.S.C. pp 42-3)
- 5081 Edmonton ss. NW1/4 Sec. 5, Tp.34, R7W5 (Bearberry Map 670A)
- 5082 Pask ss, NW1/4 Sec. 4, Tp. 34, R7W4 (Bearberry Map)
- 5083 Edmonton ss, James River Ranger Station, NE1/4 Sec.1 Tp. 34, R8W5
- 5084 Pask ss, mouth of Baptiste River, Tp.42, R8W5.
- 5085 Pask ss, E. Bank of N. Sask. River, Sec. 23, Tp. 42, R8W5.
- 5086 Kulm Graywacke (Type Graywacke) Harz Mts. Germany, (Coll. F. J. Pettijohn)
- 5087 Dakota ss , (Coll. F. J. Pettijohn)
- 5088 Oswego Subgreywacke (Coll. F. J. Pettijohn)
- 5089 Oriskany ss (Coll. F. J. Pettijohn)
- 5090 Sillery Formation Greywacke.
- 5091-5096 Tuffaceous ss,  
U. Creta., East coast of Vancouver Island, B. C.
- 5097 Tuff, Eocene Allenby Formation, Princeton, B. C.  
Coll. L. Hills

- 5098-5100 Tuffs, "Lower Volcanic Unit", (Eocene) Princeton, B.C. Coll. L. Hills.
- 5101 Calcite crystal group, about 120 lb. from Walton, N.S., donated by Ernest Yuskiw, Magnet Cove Barium Corp.
- 5102 Ruby silver ore, Walton, N.S., from Ernest Yuskiw, Magnet Cove Barium Corp.
- 5103 Rhodonite, veined with black streaks of manganese oxides, polished slab, from Salt Spring Island, B. C. Stan Walker, Fort Saskatchewan presented March 1964
- 5104 Calcite vein in Silurian shale, Roche Perce, Quebec, polished slab. Leonard V. Hills, Coll. 1962.
- 5105 Minerals purchased from Sugiyama & Company, 1964
- 5105-1 Anorthite, Miyakejima Island, Tokyo Bay. Loose SL's known as Volcanic Bombs, cemented in black or reddish lava.
- 5105-2 Anorthite, Fugottpe, Yoichi-cho, Yoichi-Gun, Hokkaido. Loose SL's twins and singles, translucent white with light yellowish coating of lava.
- 5105-3 Braunite, Kurotome-Mine, Tsukumi-shi, Oita-Ken, Kyushu. Nearly pure masses of small black crystals.
- 5105-4 Cryptomelane, Kokuko-Mine, Yoichi-Cho, Yoichi-Gun, Hokkaido. Black to brownish botryoidal massive.
- 5105-5 Ferro-hastingsite, Obira-Mine, Oita-Ken, Hyushu. Fibrous, greenish to black, radiating masses.
- 5105-6 Amphibole, var., grunerite. Shiraishizawa, Kanagawa-Ken, Honshu. Lt. grey to yellowish compact masses resembling "Mountain Leather".
- 5105-7 Hassmanite. Nodtamangawa-Mine, Kunhie-Gun, Iwate-Ken, Honshu. Nearly pure, black crystalline masses.
- 5105-8 5105-8 Manganophyllite. Taguchi-Mine, Aiichi-Ken, Honshu. Fibrous, pinkish to light brown masses with veins.
- 5105-9 Pectolite. Utonai-Mine, Nakagawa-mura, Nakagawa-Gun, Teshio, Hokkaido. Nearly pure, fibrous, white to grey massive.



- 5105-10 Penwithite: Itobutanda-Mine, Iboka-Cho, Minakamoshi Gifu-Ken, Honshu. Vitreous brown massive.
- 5105-11 Plombierite/Vesuvianite. Hokizawa, Ashigara, Kami-Gun, Kanagawa-Ken, Honshu. Well defined brown and white crystals of Vesuvianite cemented with plombierite.
- 5105-12 Mercury, native. Itomuka-Mine, Kitami-Koku, Hokkaido. Easily visible globules of free Native Mercury in rock. Very rich.
- 5105-13 Pyrochroite. Nodatmangawa-Mine, Kunhei-Gun, Iwate-Ken, Honshu. Pearly white veins in crystalline mass, black.
- 5105-14 Yugawaralite. Yugawara-machi, Kanagawa-Ken, Honshu. Rare one locality mineral. Crystal to Crystalline in rock.
- 5105-15 Microcline. Tawara-Mine, Ena-Gun, Gifu-Ken, Honshu. Flesh or white color. Singles, Baveno Twins, Maneback, Carlsbad Twins. Clean crystals with excellent terminations. 4.
- 5105-16 Smoky Quartz XL's, Naegi, Ena-Gun, Gifu-Ken, Honshu. Single and Dauphine Twins with good terminations.
- 5105-17 Smoky Quartz/Microcline combination groups. Naegi, Ena-Gun, Gifu-Ken, Honshu. Well terminated SL's in combination, containing cassitierite SL's.
- 5105-18 Tephroite, Kaso-Mine, Higashi, Oashi-Machi, Hanuma-Shi, Tochigi-Ken, Honshu. Massive, compact, ash-grey color.
- 5105-20 Tetrahedrite, Teine-Mine, Sapporo-Gun, Hokkaido. Crystalline massive, Grey Metallic to brownish lustre. Excellent study specimen material.
- 5105-21 Rhodochrosite. Oppu-Mine, Aomori, Akita-Ken, Honshu. Botryoidal, rose-pink color, covering granular composition containing some pyrite & chalcopyrite.
- 5105-23 Chalcopyrite. Ani-Mine, Aniai, Akita-Ken, Honshu. SL groups, large, metallic yellow, some tarnishing.
- 5105-24 Ishikawaite. Wagu-Mine, Ishikawa-machi, Ishikawa-Gun, Fukushima-Ken, Honshu. Uranium and Ferrous Iron, Fibrous Crystalline in matrix composition. One locality specimen mineral.
- 5105-26 Diaspore. Mitsui-Mine, Okayama-Ken, Honshu. Massive whitish.
- 5105-27 Japanese Twin Quartz. Otomezaka-Mine, Yamanashi-Ken, Honshu. Japan. World famous clear twin quartz.

- 5105-28 Columbite. Wagu-Mine, Ishikawa-Machi, Ishikawa-Gun, Fukushima-Ken, Honshu.
- 5105-29 Amethyst Sceptre, Onyen-Mine, Ulson-Gun, Republic of Korea.

- 5106 Kamloops Volcanics - brecciated, and cemented with agate; one side cut and polished. Near Kamloops, B.C. Leonard V. Hills. 4 pieces. 196\_.
- 5107 Snowflake Obsidian - polished slab, exchange with Scott Reed.
- 5108 Agate, Mexican lunar. Polished slab. Exchange, Scott Reed.
- 5109 Agate, Idaho. Variegated, polished slab. Exchange, Scott Reed.
- 5110 Agate. 10 miles south of Kamloops, B.C. Polished slab. Exchange Scott Reed.
- 5111 Agate, Aztec purple. 2 slabs polished, exchange, Scott Reed.
- 5112 Agate, Mexican Christmas, polished slab, exchange, Scott Reed.
- 5113 Agate, Idaho, variegated moss, polished slab, exchange, Scott Reed
- 5114 Agate, Mexican shadow, polished slab, exchange, Scott Reed.
- 5115 Red-rock, Uranium City, Sask. Square rod, cut and polished. Denis Sustrik.
- 5116 Amygdaloidal Basalt. Some green amygdules, polished one side. Nelson Area, B.C. Mr. Fred Russell. 1963.
- 5117 Petrified wood at head of canyon, 4 miles northeast of Manyberries Experimental Range Station, polished one side. Collected 1964, D.A.T.
- 5118 Siltstone from south-side Azousetta, Pine Pass, B.C. Upper Fernie? Shows good rusty, weathered surface & greenish gray fresh surface. Collected 1950, C.R.S.
- 5119 Gypsiferous Dolomite - Taken at top of D-2. Security Freehold #1, South Leduc area. Pyrite and gypsum common as patches in the dark grey dolomite.
- 5120 Reef Rock - M. Devonian, Edge Rock of Reef. Loc.- Contact Rapids, Rg. 21, W-3, Clearwater Rapids. Collector - Bear Oils.
- NOTE: 5121 to 5191 and 5301 were bought from Paarsch, September 1965 for \$273
- 5121 Sulphur, Girgenti, Italy *from Paarsch? in Sept. 1965*
- 5121a Sulphur Girgenti, Sicily, Italy *in Min/PEI Museum Zoopper wall case*
- 5122 Diamond, Dry Diggings, Transvaal. *display in case*
- 5123 Iron (meteorite) Mukerop, Near Gibeon, S.W. Africa
- 5124 Quartz and hematite. ~~Near~~ *New* Parkside Mine, Frizington, Cumberland.

- 5125 Native gold in quartz. Johannesburg, S. Africa.
- 5126 Native silver. Kongsberg, Sweden.
- 5127 Native gold in quartz. Newjiansk, Ural, Russia
- 5128 Native silver, Freiberg, Saxony
- 5129 Native copper, Wallaroo, Australia
- 5130 Antimony, Harz Mountains, Germany
- 5131 Graphite, Tunkins Mountains, Siberia.
- 5132 Sulphur and Aragonite. Girgenti, Sicily, Italy.
- 5133 Arsenic, Annaberg, Saxony.
- 5134 Bismuth, Johannesgeorgenstadt, Saxony.
- 5135 Lapis lazuli, Baikal Lake, Russia.
- 5136 Pyrophyllite, Beresowsk, Ural Mountains.
- 5137 Pyrolusite, Ilmenau, Thuringi
- 5138 Diopase, Altyn, Russia
- 5139 Cinnabar, Almaden, Spain.
- 5139 Diamond sand. Holmanskruppe, S.W. Africa.
- 5140 Osmiridium. Nishne, Tagilsk, Ural.
- 5141 Emerald. Muso, Colombia
- 5142 Diamond. Kimberley, Africa.
- 5143 Atacamite. Burraburia, Australia.
- 5144 Magnetite. Gellivara, Sweden.
- 5145 Garnets, 2. Passeier, Tyrol, Austria.
- 5146 Garnets, 3. Stillupgrund, Filler Velle, Austria.
- 5147 Amethyst, Brazil.
- 5148 Barite. Pribram, Bohemia.
- 5149 Baritocalcite. Schauinsland, Black Forest.
- 5150 Linarite, galena. Schappach, Black Forest, Germany.
- 5151 Zircon. Ilmen Mountains (Ural)
- 5152 Topaz. Nertshinsk, Ural Mountains

on display

1

one crystal ~ 3cm. 1cm. 0.5cm. surrounded by quartz  
 crystals which rest on a shale base

of 1514 → on display W.C. 2nd Fl.  
 no on specimen is 1514  
 on display case 1

- 5153 Covellite. Alghero, Sandinia
- 5154 Schweitzerite. Dognacska, Hungary
- 5155 Stibnite (Antimonite). Tchinkawa Mine Sayo, Japan
- 5156 Martite. Itambe, Brazil
- 5157 Hematite. Rio, Island of Elba *On display in 12*
- 5158 Quartz xx, Warstein, Austria
- 5159 Zeolite (natrolite?) Monte Baldo, Verona, Italy.
- 5160 Analcite. Seisseralp, Tyrol, Austria
- 5161 Microcline. Ilmen Mountains, Ural Mountains
- 5162 Smoky Quartz. Tavetsch, Switzerland
- 5163 Malachite, linarite, arsenic ore. Atacama Chile
- 5164 Serpentine. Kussinsk Mine near Slatoust, Ural Mountains.
- 5165 Jamesonite, Poopo, Bolivia
- 5166 Sphalerite, black xtls. Rodna, Hungary
- 5167 Sphalerite, Schemnitz, Hungary
- 5168 Tourmaline in dolomite. San Diego, California
- 5169 Diopside. Achmatowsk Mine, Slatoust, Ural Mountains.
- 5170 Arsenosiderite. Reichenstein Silesia, Poland
- 5171 Prehnite. Cape Good Hope Khamies Mountains
- 5172 Chrysocolla, cuprite, malachite. Copiapo, Chile
- 5173 Phosgenite Manzeponi, Sardinia
- 5174 Sphalerite. Bleicharley Mine, Silesia Poland
- 5175 Tellurium silver. Botes, Hungary
- 5176 Fluorite. Cumberland
- 5177 Prehnite. Haslach, Germany
- 5178 Nephrite, Sljudanka River, Baikal Lake 222.5 g
- 5179 Tourmaline. Minas Geraes, Brazil
- 5180 Beryl. Nertschinsk, Ural Mountains

- 5181 Aragonite, Aragon, Spain<sup>1</sup>
- 5182 Anglesite. Monteponi, Sardinia ✓
- 5183 Garnet. Greenland
- 5184 Ore. Rammelsberg Mine near Goslar, Germany (cp + py + gn)  
Contains Pb, Zn, Cu, Ag, Au, Pt. Ge.
- 5185 Epidote. Untersulzbach, Pinzgan Austria
- 5186 ~~Zinnwaldite~~. Finnwald, Germany
- 5187 Manganite. Gremelsbach, Black Forest
- 5188 Apophyllite, Seisseralp, Tyrol, Austria
- 5189 Copper. Corocoro, Bolivia
- 5190 Malachite. Sisserts, Ural Mountains
- 5191 Fluorite. Wölsendorf, Bavaria
- 5192 Collection of approximately 300 lb. of Pb-Zn ore from Pine Point, Great Slave Lake. The predominant minerals are galena, sphalerite, marcasite, dolomite and calcite. There are minor amounts of pyrobitumen and oil-saturated dolomite. The samples have mine accession No.'s on them. Collected by R.E. Folinsbee, A. Susaki and R. Gregg, October 1965.
- 5193 Cavell Quartzite, Mout Cavell, Jasper Park
- 5194 Gilwood Sandstone, Goose River ~~Field~~
- 5195 Lodgepole Formation - Daly Field
- 5196 Southesk Formation, Rocky Mountains
- 5197 Arcas Reef, Campeche Bank
- 5198-5203 Paskapoo Sandstones, Red Deer River, Brooksley Bridge to Ardley
- 5204 Middle Edmonton Channel Sandstone, Red Deer River. SW 1/4  
24-36-22W4
- 5205 Kneehills Tuff SW 1/4 3-38-22W4
- 5206- } Meteorite, tektite, Dalat, South Vietnam Miss Nga Ngoc Vo. September  
5207 } 1965.
- 5208 Spherical concretion, 3" diameter, found at Lake Wabamun near power plant site. H. Stephens, September 23, 1965

Maybe in  
ESB 1-06; based on dominos

- 5209 } Crystals of hanksite, Searless Lake, Trona, California, Mr;  
 5210 } W. Munawich, Works Department. University of Alberta.  
 5211 }
- 5212 Opalized wood, large specimen, about 12" x 14" from silica sand pit, near dam at Vantage, Washington. Collected summer of 1958, by Mr. M. Reis. 3 pcs, 2 cut & polished
- 5213 Meteorite, medium octahedrite, Cape York, Savik on Savequarfik peninsula in Melville Bugt, N.W. Greenland, 200 m. above sea level 942 g., from the Mineralogical and Geological Museum of the University of Copenhagen
- 5214 Stibnite, Hight Creek, 13 mi N.W. of Mayo, Yukon. Frank O'Sullivan, 1965.
- 5215 Stibnite, Hight Creek, Yukon, fine massive stibnite from Mountain Queen Claim (marked 1 and 2) See report on Moisey Antimony Claims. Collected by R.E. Folinsbee, September 1965, 2 pieces.
- 5216 Same as 5215 but coarser and from Cabin or Gulch occurrence. Coll. R.E. Folinsbee, September 1965, 6 pieces.
- 5217 Nesting pits (?) of unknown animal (trilobite?) Sentinel Pass near Moraine Lake, Cambrian, September 1965, Beverley Hatlelid.
- 5218 Shaly sandstone with structures similar to 5217. Original No. H 217-2. Loc.?
- 5219 Volcanic tuff, Campbelton Formation, 10 mi east of Campbelton on Chaleur Bay, N.B. L.V. Hills collector 1962. Thin slab, polished 1 side.
- 5220 Tar sands, Melville Island, 6 mi. from the mouth (north) of River of Marie Bay, Triassic Bjerne Formation, L.V. Hills, 1964. 3 pieces.
- ✓ 5221 Allanite, from a pegmatite, Oshowy Lake, Sask., N.E. of Uranium City, Tom L. Evans, September 1, 1964.
- 5222 Tillite, Precambrian (Sturtian) Morphettvale, Australia. Collected by H.A.K. Charlesworth. September 1965.
- 5223 Fountain Arkose, Colorado  
 possibly in ESB 106: thin section done
- 5224 Mississippian bedded chert, Arkansas
- 5225 "Honeycomb" Onyz, near Trona, Death Valley, California, Mr. W. Munawich, Works Dept. University of Alberta
- 5226 Black and brown obsidian, Trona, Death Valley, Callifornia. Donor of 5225, 5 pieces.

Cape York

- 5227 Brown marble, Furnace Creek, Death Valley, California. Donor of 5225, 5 pieces
- 5228 Hematite, Trona, Death Valley, California, about 50 lb. piece, donor of 5225.
- 5229 Mottled marble, pink and green, Trona, California 3 pieces, donor of 5225.
- 5230 Petrified wood, near Trona, California, 2 small pieces, donor of 5225
- 5231 Onyx marble, Scotty's Castle, Death Valley California, coll. by J. Pillott, donor same as 5225, 2 pieces.
- 5232 Onyx marble, 3" x 5". polished, Trona, California, donor of 5225.
- 5233 Red and brown opaque onyx near Trona, California 2 pieces, donor of 5225.
- 5234 "Swiss Cheese" onyx, near Trona, California, donor of 5225.
- 5235 Wilsonite (?), altered scapolite, loc.?
- 5236 Friedelite, donor Robert F. Vernon loc.? 2 pieces.
- 5237 Quartz crystal, south face Mount Geikie, at approximately 9,000' where crystals fall to scree slope, donor, Dr. H.E. Bulyea, Prof. Emeritus, University of Alberta May, 1935,
- 5238 Agate, red and green, Washademoak Lake N.B. (Tributary of St. John River), donor, Dr. H.E. Bulyea, Professor Emeritus, University of Alberta, May, 1965.
- 5239 Uranophane/pitchblende, outcrop showing at Uranium City, R. J. Swanston, 1964.
- 5240 Collenia (algae), Blatchford Lake, N.W.T. (62°10'N, 112°35'W) 30 mi. north of Great Slave Lake, found June 28, 1961, (10' column of this fossil on granite hillside + 300 yards from Southern Lake, Geo. W. Scotter (Range Ecologist) 750 Federal Bldg. Edmonton.
- 5241 Stalactite, 6" diameter, large radiating calcite xtls., near Cranbrook, B.C. donor G. Sutherland, 1964.
- 5242 Clay ironstone, fracture-filled with yellow calcite, North Saskatchewan River, Edmonton, ~~XXXXXXXXXXXXXXXXXXXXXXX~~. D. A. Taylor, 1963
- 5243 Pyrrhotite, nickeliferous, probably from 1000' below surface Thompson Lake, Manitoba, Roger Wiffen.



- 5244 Limestone (concretion?) fracture-filled with 2 generations of calcite, North Saskatchewan River, Edmonton, Denis Wighton, 2 pieces.
- 5245 Hematite, about 30 lb. Giant Steel
- 5246-5251 Rhodonite, psilomelane (?) in quartz, banded and brecciated jasper, from Cowichan Lake. Collected and donated by Wally Carlson, Honeymoon Bay, Vancouver Island B.C., presented by D.A. Taylor.
- 5246 Jasper breccia with psilomelane (?)
- 5247 Banded jasper with psilomelane (?)
- 5248 Banded jasper, psilomelane (?) and rhodonite, 3 pcs.
- 5249 Rhodonite breccia (pink and green) and psilomelane (?) 3 pieces
- 5250 Banded pink and yellow-green rhodonite, 3 pieces.
- 5251 Quartz with pink and yellow-green rhodonite, 2 pieces.
- 5252 Petrified Wood, gravel pit, Edmonton, Dennis Wighton, 1963, 2 pieces.
- 5253 Chert cobble, w. percussion marks, N. Sask. R. Edmonton, D.A. Taylor 1963.
- 5254 Alurgite schist, San Bernardino County, Cojan Pass, San Gabriel Mountains, California.
- 5255 Dinosaur bone fragment, brecciated, fractures filled with calcite, cut and polished, loc? etc.
- 5256 Dinosaur bone with chalcedony, cut and polished, from Betty Tolman quarry, Red Deer River, D.A. Taylor, September, 1965.
- 5257 Meteorite, Dalgety Downs, Western Australia 1463 grams, U.S. National Museum, Division of Mineralogy.
- 5258 Meteorite, Wolf Creek, Western Australia, 915 grams, U.S. National Museum, Division of Mineralogy
- 5259 "Alberta Cave Onyx", flowstone from a limestone pipe (Palliser ?) (Formation) about ~~500~~ 60' deep on Ogre Ridge 1/2 mile north of Athabasca River. The Jasper National Park boundary runs along Ogre Ridge and the flowstone comes from below and outside of the Park boundary, Dr. R. S. (Spence) Taylor.
- 5260 Algal dolomite, polished slab, Jasper, Precambrian (?) D.A. Taylor, 1962.
- 5261 Meteorite, Homestead, 362 grams, Peabody Museum of Natural History Yale University, Karl K. Turekian, June 26, 1962, Orig. no. P 267
- 5262 Pycnostroma (?), algae in glacial boulder 6 mi. NE of Sedgewick, Mrs. Viola Leirdahl, October 1965. 2 pieces.

Dalgety Downs

Wolf Creek

Homestead

- 5263-5279 Near Bancroft, Ontario, Mrs. Alice Leech, October, 1965.
- 5263 Uraninite - very small piece
- 5264 Sphene
- 5265 Apatite, 9 pieces
- 5266 Pink calcite and purple fluorite, some with a small amount of apatite.
- 5267 Gray calcite with small amount of brown apatite.
- 5268 Canadian Talc Co. Mine, Modoc, Ontario. Mrs. Alice Leech, October 1965.
- 5268-5279 Calcite, cleavage fragments, 3.
- 5269 graphite
- 5270 phlogopite (?)
- 5271 Talc 35 pieces
- 5272 Limestone and calcite
- 5273 Madocite dike (Tourmaline, tremolite and pyrite)
- 5274 Tremolite (2pieces)
- 5275 Limestone-tremolite
- 5276 Phlogopite-pyrite-tourmaline (?)
- 5277 Tremolite (?) - pyrite - limestone
- 5278 Tremolite (?)
- 5279 Biotite, pyroxene, Fluorite, calcite
- 5280 Phlogopite - actinolite (?) schist
- 5281 Precambrian basement core.  
Dome Provo Supertest Loon Lake 10-3  
Loc. - 10-3-87-10 W5. Depth -4751 feet
- 5282 Precambrian Basement core  
B.A. Grand Forks 12-14  
Loc.-12-14-12-12 W4 Depth 6975 feet  
(Top of Pf 6930 feet)
- 5283 "Trilobite nests" Field, B.C. in creek from Mt. Stephen near road. Identified by the G.S.C. as *Cruziana jenningsi*, Cambrian, by Norford, 1960. Donated by Mrs. Baco, October 29, 1962

- 5284 Orbicular Granite, Sandia Mountains, Near Albuquerque, New Mexico. (John Shomaker, 3411, Hoyle Road N.E., Albuquerque, N. Mex. U.S.A. Discovered) Presented by Tom Evans, June 28, 1965 see also slides 66-182, 183 of outcrop area.
- 5285 Copper prospects in Siyeh near Park Boundary. Spionkop Ridge, north edge of Park. Presented by Eric Goble, Box 64 Waterton Lakes National Park. December 1965.
- 5286 Pyrochloromicrolite, near Viking Lake, Goldfields, Saskatchewan in pegmatite 1/2 mile + south from St. Louis Fault, R. Buckingham, 1953. Ref: Atomic Energy Commission.
- 5287 Galena, argentite, sheared. Stope between 300 and 400 feet level, 3 vein, south end, Hector Mine, Keno Hill, N.W.T. J. A. Riddell, 1965.
- 5288 Hematite in gouge, from calcite-bearing fault zone, 750' level. Giant Yellowknife, J.E. Kleovansky, 1954.
- 5289 Galena xtls, hanging wall vein 4 (south) Hector Mine, Keno Hill, N.W.T., J. A. Riddell, 1955.
- 5290 Galena and tetrahedrite, raise from 700' level 1A vein, Calumet Mine, Keno Hill, N.W.T. J. A. Riddell, 1955.
- 5291 Galena, sheared, Keno Hill, N.W.T., J. A. Riddell, 1955.
- 5292 Barite rosette, Oklahoma (?) Moffatt, November 19, 1952.
- 5293 Ottrelite (?) andalusite schist, maculose structure, Kenbasket Lake, Cedar Campsite, Big Bend Highway, B.C., J. H. Simpson, 1953.
- 5294 Pyrophyllite, North Carolina
- 5295 Pyrophyllite, California
- 5296 Barite, desert rose, 4, Norman, Oklahoma.
- 5297 Steel galena, flat in vein, possibly dragged close to fault, No. 4 vein, Hector Mine, Keno Hill, N.W.T., J. A. Riddell, Mining Engineer 1955.
- 5298 Sphalerite crystals, dolomite, no. 3 vein, 700' level, Hector Mine, United Keno N.W.T., J. A. Riddell.
- 5299 Lead, zinc, silver ore, Keno Hill, N.W.T., J. A. Riddell, Mining Engineer, 1955.
- 5300 Vulcan meteorite, aerolite find, April, 1964.

Vulcan

- 5301 Topaz, blue crystal, from Paarsch collection \$15.00 *Grand lieu*
- 5302 Eclogite, La Compointrie Saint Philbert de Brand'lieu, Department de Loire - Atlantique, Collected by Dr. A. Brillanceau, Poitiers, Vienne, France.
- 5303 Andalusite schist (var. chiastolite) Etang des Salles de Rohan, Department du Morbihan, France.
- 5304 Jade, New Zealand, presented by Roger Gregg, 1965. Olderog Creek locality of Tainui Bros. See Lapidary Journal, Feb. 1963, p. 1000 ff 13.5 g. *in 54-33*
- 5305 Jade, Bridge River Area, Winnie Robertson
1. Chromite Jade, big bend 3/4 mile downstream from where Yalikum enters the Bridge River \$7.50 lb. 1 polished octagon flat 165 g. and 2 small "corners" of 3 g. each.
  2. White Jade, from bar where Yalikum enters Bridge River, 6" pebble. 1 polished triangular flat 21 g., 1 small fragment 3 g. *in 54-33*
  3. Spinach green, Marshall Creek jade, flat cobble of about 8 lb. 1 cobble cut and polished, 342 g., 2 slices 23 g. (cut) and 30 g. polished.
  4. Snowflake jade, 700 lb. Antoine Creek on Bridge River. 1 piece polished, 819 g. 3 slices, 11,9 and 4 g.
  5. Birdbath jade from 700 lb. block. Marshall Creek on Bridge River below highway bridge about 2 miles up. (largest was 16 tons, indifferent quality. 1 piece 11 lb., 1 slice 157 g. *in 54-33*)
- 5306 Kwanika River, B.C.
1. Yellow-green pebble of lime silicate 2 pieces, 26 g and 41 g.
  2. pebble of greenish serpentine 2 pieces 97 g. and 81 g. *in 61-54-52, 2*
  3. Asbestos - bearing slab *in 54-33*
  4. Light-colored rusty weathering pebble of what Winnie Robertson says is rather good light jade, 2 fragments.
  5. Split pebble of lime silicate minerals. 2 pieces 664 g. and 1217 g. *in 61-54-33 (book)*
  6. Pebble of silicate minerals pitted from softer mica-like areas. *in 61-54-32, 33*
  7. Slab from large boulder of rather poor material, 3 x 3 x 1 1/2 - 1 ton, not fractured. *in 61-54-33*
  8. Light slabby weathered chunk of better quality light jade, 3 pieces. *in 61-54-32, 33, flower right*
  9. End from 100 lb + boulder of somewhat fractured light jade, fair quality.
  10. Large garnet rock
  11. Chips of large (5x3x1 1/2) = 22 cu. ft. or 2 tons. from dark weathering slick boulder, blue-gray, not fractured but poor color. 4 fragments. *Jade # II in 61 cab 54 drawer 48*
  12. (Same as 5306-17) On east side of catwalk at cabin. To part of a very large boulder sawn and wedged. Present dimensions 6x6x3, 7 or 8 tons, dark greenish black, many minute fractures. a bit soft for true jade. Good bright jade where fracturing not too intense. 3 fragments.

5306 continued

13. Jade from 100 lb. pointed piece sawn tip at cabin. Green, not bad. 1 fragment. *in GH 54-48*
14. Actinolite (?) pebble, 2 fragments. *in GH 54-33*
15. End of boulder about 4x2x3/4 = 1000 lb. good color but in soft patches.
16. Ropy jade, 10 lb. Kwanika Creek. Bruce Russell claim purchased for \$35.00 from Art Bell.  
1 11 lb. piece *in GH 54-48*  
2 large thin slabs, 341 g. and 175 g.  
5 pieces, 378 g., 100 g., 38 g., 36g., 10 g.
17. 3 sides cut, not much pattern, fractures, 3 sides cut (2 polished) 1,901 g. *in GH 54-48*

5307

Large pointed piece of Chrome Burst jade from Fall River \$10 per lb. *Endnote Group record.*  
Purchased for \$460, 46 lb. cut with base, leaving 5 fragments and  
slices of 215 g., 34g., 33 g. (polished) 31 g., and 11 g. *in 54-33*  
*2 pieces taken*

5308

Green jade specked with black, 38 lb. piece from large boulder on Kwanika Creek. 9156 lb. plus 100 lb. and ours from 94 lb. piece Purchased from Art Bell \$190.

5309

Jade, chrome specked and cloudy, with black rind, cut and polished 658.5 g. Type from which pendant is made, presented by Winnie Robertson.

5310

Jade boulder 47 lb. from Fall River. Purchased from Art Bell for \$100.00.

5311

Ore from Vangorda Creek, Y.T. Samples taken from discovery area in the creek valley. Discovered by Al. Kulan in 1953 the deposit is owned by Kerr Addison Mines. The 1965 Dynasty discovery is about 10 miles to the North West.

5312

Green rock with metallics. Large boulder beside Whitehorse-Mayo Highway at mile 157. T. Rich 1965

5313

Meteorite, Ferintosh, 1965. Found 3 km. N.W. of Ferintosh, 52°48' N, 112°59' W., October 1965 by D.A. and I.S. Enarson, brought in by D.A. Enarson, a University of Alberta student. Chondrite, well-developed piezoglyphs, slight iron stained on surface, fusion crust not flaked off. Purchased November 29, 1965 for \$100

Ferintosh

5314

Lower Palliser, Second Spray Dam, Canmore, Alberta

5315

Silicified Diatomite? Middle Eocene, Penticton, B.C.

5316

Oolitic Limestone, Middle Devonian, Sugenac Bay, Pine River RD.

5317

Jurassic Phosphatic sandstone, Imp. Can. Sup. Norbuck 2-6-47-4W5, 6364'.

5318

Precambrian Iron Formation - L. Sup. area?

- 5319 Potlatch anhydrate (Three forks formation)
- 5320-5339 Australian Sedimentary and Igneous Rocks collected by H.A.K. Charlesworth, 1965.
- 5320 Laterite, Hallett cove, 10 miles South of Adelaide, South Australia (Photo)
- 5321 Yass formation, Upper Silurian, Bongo Creek, Highway 31, volcanic derived feldspathic labile sandstone.
- 5322 Blatbercy creek volcanics, ordovician, 4 miles south of Baker's swamp, 15 miles south of Wellington, N.S.W. Blocky lava flow.
- 5323 Lower kutting conglomerate, Upper carboniferous, 5 miles west of Timor, N.S.W. Zeolite facies, Heulandite, Seilbite.
- 5324 Goonogoonoo formation, visean, 3 miles west of Timor, N.S.W., mainly mud stones with interbedded feldspathic sand stones ( 2 spec.) Zeolite facies.
- 5325 Goonogoonoo formation, visean, Timor, N.S.W. Volcanic lithic sandstone, prehnite?
- 5326 Baldwin formation, Upper devonian, Isis Creek, Timor, N.S.W., feldspatholithic sandstone, lowmonite?
- 5327 Baldwin formation, upper devonian, Nundle, N.S.W., volcanic literic sand stones, (Grey wacke), Green schist facies.
- 5328 Yarrimie formatio n, Middle Devonian, Silver Gulley, near Nundle, N.S.W., Greywacke - chert.
- 5329 Drick Drick Formation, Lower Devonian, Silver Gulley, near Nundle, N.S.W., radiolarian chert.
- 5330 Namoi formation, Lower Carboniferous Merlewood, 25 miles west of Tamworth, N.S.W. lawmonitized sand stone.
- 5331 Merlewood formation, lower Carboniferous, Merlewood, 25 miles west of Tamworth, N.S.W. celadinite.
- 5332 Merlewood formation, Lower Carboniferous, Merlewood, 25 miles west of Tamworth, N.S.W., stilbite or heulandite.
- 5333 Oolitic limestone, top of marine carboniferous, Caroda bridge, At Horton River, N.S.W.
- 5334 Dacite in Kuttung group, Carboniferous, 1/2 miles west of Canada post office, N.S.W.
- 5335 Bulahdelah Formation, Permian, Bulahdelah, lithic sandstone.

- 5336 Alum mountain volcanics, Upper Carboniferous, 5 miles S. of Bulahdelah, N.S.W., Rhyolite.
- 5337 Nerong volcanics, Upper Carboniferous, Girvan, N.S.W., Soilvitized Sandstone.
- 5338 Wallaringa Formation, Carboniferous, Hilldale, 5 miles S.E. of Gresford, N.S.W., Volcanic lithic Sandstone.
- 5339 Zeolitized varved shale, Upper Carboniferous, Seeham, N.S.W., ~~clinopidolite~~ clinopidolite, 2 specimens (photo).  
clinopidolite
- 5340 Lower Edmonton Sandstone. Mill Creek Sewer, Edmonton.
- 5341 Basal Belly River Sandstone, Pembina Field.
- 5342 Bentonite - 400' above base of Frenchman Fm., Hwy. 48, E. of Elkwater.
- 5343 Bentonite - 525' above base of Frenchman Fm., Hwy. 48 E. of Elkwater.
- 5344 Montons Creek. Volcanics, Upper Carboniferous, 10 miles S.W. of Gresford, N.S.W., Hornblende Andesite.
- 5345 Wabamun Breccia, Upper Devonian.
- 5346 Cardium Formation, Pembina Field.
- 5347 McAbee Ash Bed #1, 15 mi. N.E. of Cache Creek, B.C. Eocene, L.V. Hills.
- 5348 Quartz Monzonite, Osprey L. intrusion, Princeton, B.C. Coll. 1963, L.V. Hills.
- 5349 Quartz monzonite boulder from Allen by <sup>Fm.</sup> F.M. Origin, Osprey Lake intrusion. Cut in two pieces. L.V. Hills, 1965.
- 5350 Platy gypsum, no loc.
- 5351 Granite pegmatite, boulder found on Red Deer R. 1 mi. downstream from Tolman crossing, cut and polished. DAT 1965.
- 5352 Thujites sp. (fossil leaf impression) Tom Dana, Debolt, Alta.
- 5353 Metasequoia sp. Tom Dana, Debolt, Alta.
- 5354 Pyrite nodule, L.V. Hills.
- 5355 Heterogenite, South Katanga, M.R. Lynn, Griesbach Barracks, Edmonton, Feb. 29, 1963.
- 5356 Dolomite, w. tar and stromatoporoid, from glacial boulder, Edmonton, Mr. & Mrs. J. Duraway.

- 5357 Calcareous phosphatic banded shale w. fish remains. 69° 20', 126° 46' 10". EG-494-N58, Anderson River, Shell Oil Co. 3 pcs.
- 5358 Mylonite, percussion marked, Pigeon Lake, Mary-Jo Hague, Edmonton. 3 pcs.
- 5359-5363 Samples from Sutton Lake, (Hudson Bay Lowlands) about 150 mi. N.W. of Moosonee, Ontario, Apr., 1966, Danny Chiang.
  - 5359 Banded jasper and magnetite, 3 pcs., 2 polished.
  - 5360 Oolitic quartz - jasper (oolitic agate?).
  - 5361 Oolitic jasper with small magnetite grains.
  - 5362 Banded jasper and magnetite.
  - 5363 Large cleavage fragment of feldspar.
- 5364 Silicified oolite(?), pitted, Burns, Oregon, Scott-Reid.
- 5365 Dolomite-faceted and striated, North Saskatchewan River, Edmonton. D.A.T.
- 5366 Henrietta Nesmith, Glacier - July 1, 1963. Ellesmere Island, Dave Sharplin, Cup Coral.
- 5367 Suite of ores from Lynn Lake, Man.
- 5368 Suite of ores from Silver Standard Mine, Hudson Bay Mtn., B.C., near Smithers. L.V. Hills, 1963, 16 pcs.
- 5369 Armored mud balls, Tolman Crossing, Red Deer River, CRS, 1965.
- 5370 Native silver, etc. Echo Bay, Great Bear Lake, N.W.T., Stevenson, 1931.
- 5371 Barite crystals, Rock Candy Mine, Granby River, Kettle R. Dist., B.C.
- 5372 Millerite and -? Gold Crest Mines, Easter Is., Great Slake Lake. P. Silvers, 1953.
- 5373 Galena, spalerite, calcite in chert breccia, Eagle Pitcher, John H. Wall, IV - 1953.
- 5374 Uraninite crystals, Centre Lake, Uranium Mine (Bancroft <sup>Bancroft</sup> ~~Bancroft~~ Uranium Mine), Bancroft, Ont. Coll. Len Kelly, geologist, donated by N.W. Cowper 9-VI-55.



- 5375 Actinolite & Uraninite(?) - Ridley Holding Co., Stark Lake, Regina Bay, Great Slave Lake. P. Silvers, 1953.
- 5376 Columbite - Tantalite - from pegmatites in California, Ian Bain, 1955.
- 5377 <sup>Boulangerite</sup> Boulangerite & Sphalerite, Sullivan Mine, Kimberley, B.C. L. Bayrock, 1952.
- 5378 Leucite - Isometric (Dana 321) Mt. Somma, Italy.
- 5379 Pollucite Island of Elba (Dana 322)
- 5380 Pollucite - Haddam, Conn. (Dana)
- 5381 Wolframite - Whitehorse Yukon Territory, February 1953, Tony Worbets.
- 5382 Psilomelane - Whitehorse, Yukon Territory. 1953, Tony Worbets.
- 5383 Quartz - Whitehorse, Yukon Territory. 1953, Tony Worbets.
- 5384 Sponge Clay - Whitehorse, Yukon Territory. 1953, Tony Worbets.
- 5385 Stibnite - Whitehorse, Yukon Territory. 1953, Tony Worbets.
- 5386 Magnetite - Whitehorse, Yukon Territory, 1953, Tony Worbets.
- 5387 Leucite (Dana) Civita Castellana, Rome, Italy.
- 5388 Thorium samples (5) - John H. Wilson.
- 5389 Pitchblende - radioactive chips, Dr. R.E. Folinsbee per D.O.R.
- 5390 Radium Ore - spilled from broken sack while transferred from boat to train at Waterways Alberta. 3-14-52.
- 5391 Manganese - Eldorado. A.E. Cameron.
- 5392 Carnotite. Mr. Rutter - June 9, 1955.
- 5393 Nickeliferous Laterite, Nonoc Island, Philippines.
- 5394 Surface Concretions from New Caledonian Laterite.
- 5395 Fluorite with natural <sup>octahedral</sup> faces, Hillsboro district, ~~Sierra~~ <sup>Sierra</sup> County, New Mexico, T.L. Evans.
- 5396 Howard Renville <sup>Perle</sup> Bayle Service Station, Corner 102 Avenue, 105 Street, 95th Street, north of railroad tracks. In gravelled yard. Nothing else known of occurrence. Through H.R. Thornton.

- 5397 Mariposite, Coulterville, California.
- 5398 Lawsonite, Type Locality: Reed Station, Tiburon Peninsula, Marin County, California.
- 5399 Analcite Crystals - W.L. Borrows, Coleman, Alberta, 4-1-66. Crowsnest formation in a cut made for pipeline where it crosses Willoughby Ridge.
- 5400 Garnierite - Lee Morrison, May 1, 1963.
- 5401-5408 Frenchman SS. between 25' to 105' above base of Frenchman Formation, one and half miles north west of Ravenscrag (N.E. 1/4 sec. 26, tp.6, rge. 24).
- 5409-5414 Frenchman ss. between 1' to 105' above top of Eastend Formations, Old Man on his back Plateau (N.E. 1/4 sec., 34, tp.2, rge. 25).
- 5415-5423 Frenchman SS. between 85' to 375' above top of Eastend Formation, Elkwater, Camp Ground, (Secs. 13, 14 and 24, tp. 8, rge.3).
- 5424-5425 Frenchman SS 140' and 165' above top of Eastend Formation, Elkwater, Scenic road (Secs. 14 and 23, tp. 8, rge. 3).
- 5426-5429 Frenchman SS between 10' to 25' above top of tuff bed, quarry W. 45, Eagle Butte (Sec. 9, tp. 8, rge. 4.)
- 5430-5437 Ravenscrag SS between 400' to 491' above top of Eastend Formation, Elkwater, scenic road, (Secs. 14, and 23, tp. 8, rge.2).
- 5438 Ravenscrag ss. 430' above top of Eastend Formation, Elkwater, scenic road (secs. 14, and 23, tp. 8, rge.3).
- 5439 Glauconite schist, Jenner.
- 5440 Grossularite (garnet). Jenner
- 5441 Chrysocolla, Yerington, Nevada.
- 5442 Skeletal Sands, Arcas Reef, Campeche Bank  
a - Halimeda  
b - Acropora Palmata  
c - Dip?  
d - Acropora  
e - Pleistocene Platform coll. R.G. Snead
- ESS*  
*in 1.06*  
*Fr. section down rocks* 5443 Graywacke, Cobalt series, 20 mi. W. Noranda. coll. J.E. Robinson.
- 5444 Coquina, Montney Fm., Little Smoky Area, Alta., coll. A.J. Jenik.
- 5445 Tuff, Saunders Fm. Coal Valley Mine Pit, Alta. coll.
- 5446 Gilwood SS, Mitsue Field.

- 5447-5450 Samples from Mount Isa Mines Ltd., Queensland, Australia
- 5447 Bedded pyrite, shows recrystallization. No 11 Level underground. Coll. G.D. Williams.
- 5448 Graphitic dolomitic shale with pyrite. No. 11 Level underground. Coll. G.D. Williams.
- 5449 " approx. 10-15 ft. stratigraphically higher than #5448. Coll. G.D. Williams.
- 5450 " approx. 100 ft. higher stratigraphically than #5449. Coll. G.D. Williams. (Shows mineralization of #12 or 13 ore body)
- 5451 Glauconitic sandstone: Guario 66 well, 11,180', State of Anzuategui, Venezuela.
- 5452 " RPN 27 well, 12,339'.

Samples 5453-5462 from Mt. Isa Mines Ltd., Queensland, Australia.

- 5453 Band of K-feldspar-rich material, probably tuff and associated sulfide minerals - No. 11 level underground (#9 ore body). Coll. G.D. Williams.
- 5454 Pb/Zn Ore (mostly sphalerite) - No. 11 Level underground - Coll. G.D. Williams.
- 5455 Non-pyritic Shale, Urquhart Formation - Open Cut Mine. Coll. G.D. Williams.
- 5456 Pyritic Shale, Urquhart Formation - Open Cut Mine. Coll. G.D. Williams.
- 5457 Galena in shale, Urquhart Formation, 1/2 - 1 mi. south of Black Star Mine at end of same ore body; Open Cut Mine. Coll. G.D. Williams.
- 5458 Chalcocite Shale ore, Open Cut Mine, Coll. G.D. Williams.
- 5459 Oxidized and leached ore, Open Cut Mine ( $\approx$  Silica Dolo. of subsurface) Coll. G.D. Williams.
- 5460 Silica Dolomite Rock (Irregular Var.), Open Cut Mine. Silicified Reef (?) or Shatter Zone (?) Coll. G.D. Williams.
- 5461 Silicified Shale ("Bedded" Silica-Dolo.), Open Cut Mine. Coll. G.D. Williams.
- 5462 Massive Spear Siltstone, Sheared zone near Base of Open Cut mine; Coll. G.D. Williams.
- 5463 Marble, Grenville Series (?), Ottawa River Valley. Coll. ?
- 5464 Oxidized Chalcocite Ore, Upper Level Open Cut Mine, Urquhart Fm. Mt. Isa Mines, Queensland, Australia. Coll. G.D. Williams.

- 5465 Anhydrite, Muskeg Fm., Zama Lake, Alberta. 16-19-116-4W6.  
~ 4600'. Coll. A. J. Jenik.
- 5466 Dolomite " " " " " " . ~ 4700'. Coll. A. J. Jenik.
- 5467 Limestone, Beaverhill Lake Fm. Atlantic - B.A. Heart Lake.  
10-11-70-10W4 ~ 1985'.
- 5468 Basal Cretaceous conglomerate, Buick CR Field, B.C.
- Specimens Donated by O.R. Wray, Nigadoo River Mines Ltd. R.R. No. 1 Robertsville, N.B.
- 5469 Pyrrhotite crystal from fug face, 1550 level.
- 5470 Mammillary coating of calcite and unidentified brown mineral. "Break" with sulphides in adjoining area. Wall rock argillite. This was on the hanging wall side of the steeply dipping "break". The underside of the "break" was coated with small clear crystals of calcite.
- 5471 Veinlet cutting argillite. This cutting across the shear planes of the argillite is in the usual vein picture. The specimen is chiefly noteworthy in that the veinlet walls have not broken away.
- 5472 Massive sulphides replacing argillite and cut by banded vuggy calcite stringer and small stringers of sulfide and red calcite (?) 600 level.
- 5473 Quartz-feldspar porphyry. This is the main intrusive rock of the area, making an irregular "pipe". The "break" which carries the ore crosses this intrusive with little apparent deflection.
- 5474 Quartz feldspar porphyry, with darkening along thin stringers of pyrite.
- 5475 Argillite with "eyes" of calcite and various sulfides.
- 5476 Massive pyrrhotite w. martite, chalcopyrite, arsenopyrite and galena. 1550 level. Wall-rock is argillite. 2 pieces + fragments in envelope.
- 5477 5 small pieces ore containing sphalerite, galena, chalcopyrite pyrite and pyrrhotite.
- ✓ 5478 Syneresis cracks, St. Genevieve Fm. (Miss.) S.W. Illinois, Coll. J.F.L. 1966.
- 5479 Parting lineation, Tar Springs Fm. (Miss.), S.W. Illinois, Coll. J.F.L. 1966.
- 5480 Barite from a prospect under development by Magcobar, 6.8 miles northeast of Alaska Hwy. at mile 547.2. Samples of high purity barite (98% BaSO<sub>4</sub>) and galena-bearing barite, courtesy of John Carter of Magcobar. Collected by A. J. Broscoe, June, 1966.

Specimens donated by O.R. Wray Nigadoo River Mines Ltd., Robertville, Gloucester County, N.B.

5481 ~~number not used~~ - see: calcite crystal

in 8581-06  
EAS 231 LABS

- 5482 Quartz crystals  
 5483 Calcite crystals  
 5484 Calcite crystal

Specimens from: R. G. Stavaler, Manager of Marbridge Mines Ltd., Malartic, Quebec.

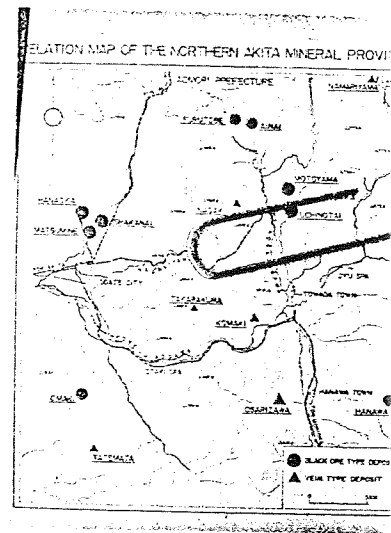
- 5485 Millerite. 3 specimens.
- 5486-5518 Goose River Field, Swan Hills, Reef Specimens (A. J. Jenik thesis, 1965)
- 5519 Arkose, Triassic, Portland, Conn (old no. 60)
- 5520 Arkose, Triassic, Connecticut Valley, U.S.A. (old no. 182)
- 5521 Edmonton sandstone, Drumheller, (old no. Misc. 51-14)
- 5522 Lower Cretaceous sandstone, Richardson Mtns., N.W.T. (Shell No. K. J. - 160-N59-3302).
- 5523 Ostracode sand (Alexander Lentic), Midwest Alexander 6-15-56-27W4, 3839' Coll. G.D.W.
- 5524 Pleistocene Key Largo Reef, Key Largo, Florida, Coll. R.G. Snead.
- 5525 Great Bear Lake: Botryoidal pitchblende with chalcopyrite, quartz gangue.
- 5526 Pyrrhotite, chalcopyrite Ore, Clarabelle Open Pit, Sudbury, Coll. A. Payne Leech.
- 5527 Disseminated Sulphides in host rock, Levack area, north side Sudbury Basin, Coll. A. Payne Leech.
- 5528 Chalcopyrite, Levack area, north side Sudbury Basin, Coll. A. Payne Leech.
- 5529 Chalcopyrite and pyrrhotite in host rock, Errington Mine, Central Sudbury Basin Area. Coll. A. Payne Leech.
- 5530-5546 Swan Hills Reef Limestones, North Carson Creek Field (G.M. Leavitt thesis material 1966). ENTERED INTO DATABASE, COLLECTION IN BOX ON SHELF IN G-110. 5538 NOT PRESENT, 5530 - HAVE INFO, NO SAMPLE(S).
- 5547 Oolitic Ls. Great Oolite, England.
- 5548-5561 Swan Hills Reef, N. Carson Creek Field, (G.M. Leavitt, Ph.D. thesis, 1966).
- 5562 Chelmsford sandstone, Sudbury Basin, Ontario; Coll. A. Payne Leech, 1966.
- 5563 Limestone breccia - coll. unknown.
- 5564 Great oolite, Ghos. England.

- 5565 TAH Ls (Mural Ls.) Lower Precambrian, Moose River, Algal-Archaeocyathid Consortium.
- maybe ✓ 5566  
ESB1-06  
+ 1 section down moles  
5567 Suite of Beach and Dune sands from Dauphin Is. Alabama. Coll. J.F.L., 1965.
- 5567-1 Upper Foreshore (Storm Beach) 20' behind Beach cusp crest. (upper 1" of sand).
- 5567-2 First sand dune ridge ~ 100' behind beach (upper 1" of sand).
- 5567-3 Seawards base of large dune ridge ~ 500' behind beach
- 5567-4 Top " " " " " " " " " "
- 5567-5 Landward slip-slope of " " " " " "
- 5568 Anhydrite and gypsum, permo-Trias. Marls, Cropwell Bishop, Nottinghamshire. Coll. R. Morton.
- 5568a Anhydrite
- 5568b Anhydrite-gypsum
- 5568c Gypsum
- 5568c Sellenite
- 5569 Bornite, quartz and calcite, Calder River, N.W. Explorers. 1966. N. Edgar. (bag full)
- 5570 Nickel ore, Lynn Lake, via Stan Walker, Sherrit Gordon, 1966.
- 5571 Nigadoo River Mines, N.B. 47°44'N, 65°48'W  
( ~ 15 miles N.W. of Bathurst) Coll. Alice Payne Leech, 1966.
- 5572 Iron Formation, McLeod Cockshutt Mines, Ontario. REF, 1942.
- 5573 Titanic ferrous magnetite. Norway. Roger Morton. (Used for polished section).
- 5574 Bentonite, Blackstone R. 1/2 mile below forestry road bridge.  
~ 200' below base of massive sandstone. Mapped as base of Paskapoo (Douglas, G.S.C. Paper 58-3). Coll. L. Hills.
- 5575 Mannville sandstone. Sol. Seaboard Violet Grove, 6-7-48-7W5, 4184' (Platt thesis, 1960)
- 5576 " " " 4188' "
- 5577 Gypsum, B.C.
- 5578 Recent ooids, Bahama Banks (Coll. Purdy).

- 5579 Recent Pelleted Mud, Bahama Banks W. of Andros (coll. G. Bassett).
- 5580 Recent "Grapestone", Bahamas (coll. Purdy).

Kuroko Ores from Japan - coll. R.E. Folinsbee, 1966.

- 5581 Pyrite (Hanaoka)
- 5582 Hanaoka Gypsum ore
- 5583 Poti ore
- 5584 Uchinotai St Bl ore at Hw.
- 5585 Hanaoka yi. ore.
- 5586 Furotobe yi ore 6.7 cu.
- 5587 Uchinotai sil rhy.
- 5588 Kuroko Fu Ry
- 5589 Furotobe Yi ore Bx.
- 5590 Siliceous ore    Cu 2.24%, Py-S 21.55%
- 5591 Blake Ore    Au 5.5 g/t    Pb 9.42%  
                  Ag 646 g/t    Zn 18.29%  
                  Cu 1.41%
- 5592 Yellow ore    Cu 9.38%    Py-S 42.77%
- 5593 Shl H.W. Pyrite oxide
- 5594 Hanaoka Black
- 5595 Furotube graded beds
- 5596 Uchinotai Hw. Mud ore Chert Foransinous
- 5597 Yellow ore shakanai
- 5598 (Shakanai 140 N, 103 sub drift), Foram Tuff Mudstone.
- 5599 Shakanai Bx ore
- 5600 Shakanai Black ore
- 5601 Matsuo Mine Sulphur Ore -     $\frac{F-S}{35\%}$      $\frac{FeS_2}{2\%}$      $\frac{T-S}{36\%}$
- 5602 Matsuo Mine Pyrite Ore-12%    45%    36%
- 5603 Matsuo Mine Native Sulphur



Uchinotai type sample

Jade includes the fine-grained varieties of two well known rock-forming minerals. JADEITE, the rarer and choicer kind of jade, is one of the pyroxene group, a silicate of sodium and aluminium. The more common kind of jade is NEPHRITE, an amphibole with the composition of silicate of calcium and magnesium.

These two minerals resemble each other so closely that it is difficult to distinguish between them, especially when cut or carved. An easier way to tell one from the other is to determine their specific gravity: for Jadeite this is 3.32 whereas for Nephrite it never exceeds 3.00. Also Jadeite is slightly harder than Nephrite.

Jade can occur in almost any colour, but the favourite colours for carvings are white, lemon yellow and green. The Chinese consider it as the "Gem Supreme", the "Jewel of Heaven". The finest jade carvings come from China, Persia and India.

The specimens exhibited here are from British Columbia.

BRIDGE RIVER JADE ADZES

From an Indian Midden near Cloverdale, B.C. at the mouth of the Fraser River

(Various states of preparation)

5 pieces



2 sets of catalog #	McCollin
1196 / 16	5623
1196 / 15	5626
1196 / 26	none
1196 / 27	5628

none 5307

Alice  
Payne

Winnie Robertson  
- Jade axes  
around 1964  
- Check with  
Dr. Burnham  
- Check Anthro.

N. Wall custodian of about

Jade Collin Room 14 Cabinet 53-  
cat no. 6000's 55?

Folinshee main contact

Blue catalog is all 403  
Not on computer 286  
1816

5604 Uchinotai, Graded Kuroko cu, zn, Pb. Ag ore

314

Jade Collection and other artifacts from British Columbia:

5629 Jade arte (CRS)

5605-5640 Box of Indian artifacts at Prov. Museum - came from an Indian Midden or village near Cloverdale, B.C. Borden (U.B.C.) said some of the figures were 1500 years old or more; snake, frog. Jades are typical Fraser River (Bridge River) jades.

5641 Mariposite? West of Germanson landing, Omenica Mountains, B.C. Winnie Robertson, 1966.

5642-5649 Nisku Fm., Leduc Field, Lafon Thesis, 1965.  
5644, 5645, 5647, 5648 IN DATABASE, OTHER NUMBERS NOT PRESENT.

5650-5688 Bentonites, Ardley Seam, Ardley Area. coll J.D. Campbell.

5689 Sulphur, small sulphur pit between Eureka & Death Valley, California. G.D. Williams, 1967.

5690 Borate (Colemanite & Ulexite) Baron, California, G.D. Williams, 1967.

5691 476 lb. block of native silver, Echo Bay Silver Mines, April, 1967.

- a.) 42 lbs. - Sold to W. Robertson
- \*b.) 42 3/4 lbs.
- c.) 64 1/2 lbs. - Sold to W. Robertson (says 40 lbs. only)
- \*d.) 29 3/4 lbs.
- e.) 61 1/4 lbs. Sold to W. Robertson, 103-N. Moffat St, B.C.
- f.) 84 1/4 lbs. ~~3 1/2 lbs.~~
- g.) 74 3/4 lbs.
- h.) 3/4 lbs. ~~400 lbs.~~

5692-5747 Acham MSc Thesis - subsurface Manville Group, Twps. 24-26 incl. Rges. 19-21 incl. W4M.- Hussar Area, Alberta.

5748 Granite; New Temple - Salt Lake City, Utah (Gr 7)

5749 Muscovite Granite (J.A.A. 16)

5750 Gsc 130 Hornblende Granite (Gr 49-1)  
Gananogue, Ontario

5751 Gsc 128 Hornblende Granite - St. George, N.B.

5752 Gsc 129 Hornblende Granite - Staynerville, Quebec

5753 Gsc 141 Pitchstone - Howe Sound, B.C.

5754 Gsc 105 Nephelene Syenite, Glamorgan Tp. Haliburton County, Ontario. R.4 132

5755 Gsc 106 Syenite, Monmouth Tp., R.8 L.4 - Haliburton Co.

5756 Gsc 107 Nepheline Syenite? Glamorgan Tp. Haliburton County, R.4 L.30, Ontario.

5757 Gsc 109 Monmouthite; Monmouth Tp., Ontario R.8 - L.10, Haliburton Co.

For GSC numbers ID's  
see 1934 list of  
"Dignees Rock Collection"  
in archives cupboard.

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GSC numbers in large print on white  
stick on labels.

- 5758 Gsc 110 Umptekite; Monmouth Tp. Haliburton Co. R9 - L.15 Ontario.
- 5759 Gsc 113 Nephelene Syenite; Monmouth Tp., Haliburton Co., R.9, L.16 - Ontario.
- 5760 Gsc 114 Nephelene Syenite - Faraday Tp., Hastings Co. R.12 L.1 Ontario
- 5761 Gsc 118 Congressite Raglan Tp., R.8 - L.2, Renfrew Co., Ontario.
- 5762 Gsc 120 Craigmontite (Neph. syenite with Calcite & Corundum) Raglan Tp., Renfrew Co. R.18 - L.2, Ontario.
- 5763 Gsc 121 Raglinite, Raglan Tp., Renfrew Co., R.12 - L.2, Ontario.
- 5764 Gsc 124 Corundum Syenite, Raglan Tp., Renfrew Co, R18 - L2 - Ontario
- 5765 Gsc 126 Dungannonite; Dungannon Tp., Hastings Co. R15 - L12, Ontario
- 5766 Gsc 108 Gabro - Glamorgan Tp., Ontario R-3, L-32, Haliburton Co.
- 5767 Gsc 125 Amphibolite - Raglan Tp., R-18 - L-3, Renfrew Co., Ontario.
- 5768 Gsc 131 (Identification missing)
- 5769 Gsc 135 (Identification missing)
- 5770 Gsc 136 (Identification missing) *Anorthosite, Horton Township, Ontario.*
- 5771 Gsc 137 Dunite. Tulameen, B.C.
- 5772 Gsc 138 Pyroxenite; Tulameen, B.C.
- 5773 Gsc 139 Olivine Diabase, McKim Tp., Ontario
- 5774 Gsc 140 (Identification Missing) Andesite
- 5775 Gsc 142 Andesite: Phoenix, B.C.
- 5776 Gsc 143 Amygdaloides Trap (Basalt?) Morden, N.S.
- 5777 Gsc 144 (Identification missing)
- 5778 Gsc 149 (Identification missing) (Qtz. Pebble conglomerate)
- 5779 Gsc 154 (Identification missing)
- 5780 Gsc 170 ~~Muscovite~~ <sup>Muscovite</sup> - Biotite Granite, Stanstead Tp., Quebec.
- M5781 Laurentian Granite W. enclosure of Basic Keewatin Rock - N. Shore of Lake Superior - Collection - F.Hille (15)

- M5782      Graphic granite loc. ? [328]
- 5783      Graphic Granite W. mica: Haddam, Conn. [18]. Pres. by M. E. Hurst, 1929.
- 5784      Hbl. granite, Quincy, Mass. [204] E. Howell, Washington, D.C.
- 5785      Granite north of Port Arthur, Ont. [16], Coll. F. Hille.
- 5786      Concretionary granite drift. Rhode Is. [327]
- 5787      Biotite Granite: Tilden St. Quarry (see H.S.W., V. J. Walsh, Ac. Sc.) No. 1-X1-464-1921.
- 5788      Paisanite (type material)  
[Riebeckite-microgranite] San Francisco Mts. , Arizona, U.S.G.S. - H. H. Robinson.
- 5789      Porphyritic felsite: Marble Head, Mass.
- 5790      Leopardite: Charlotte, N. Carolina [2438]  
Coll. J. H. Pratt, Anal: H.S. Washington
- 5791      Leopardite (var. of qtz porphyry)      [234]  
Buncombe Co., N.C.      E. E. Howell
- 5792      Rhyolite, Deadwood, S.D.      [206]
- 5793      Green Pantellerite Aecdria Neva., H.S.W. J. Geol. 22, p. 699  
1914.
- 5794      Perlite: Lassen Peak, Calif. [209], E. Howell.
- 5795      Obsidian, Mexico (U.S.G.S.) [344]
- 5796      Lithoidite obsidian, Yellowstone Nat. Park. [214]  
Wyoming, E. Howell.
- 5797      Pitchstone obsidian. Meissen, Saxony [217], E. E. Howell.
- 5798      Cancrinite syenite (?) [362]      Loc. ?
- 5799      Nepheline syenite: Ice River, B.C., showing weathering.  
[32] J.A.A.
- 5800      Nepheline syenite, W. sodalite "Ditroite" Ditro, Transylvania,  
Hungary, E. E. Howell, [243].
- Connecticut Geological Survey 5801-5808
- M5801      Thomaston granite, Reynolds Bridge, Thomaston, Conn.      [16]  
Thomaston, Conn. (Conn. Geol. Survey).
- M5802      Granite Beach pebble niantic, east Lyme Conn.      [9]
- 5803      Westerly granite: Niantic, East Lyme, Conn.      [17]

5804	Stony Creek Granite, Stony Creek, Branford, Conn.	[18]
5805	Preston Gabbro-diorite, Preston, Conn. Conn. G.S.	[19]
5806	Triassic Diabase, West Rock - New Haven, Conn.	[20]
5807	Triassic Basalt: Meriden, Conn.	[21]
5808	Stony Creek Granite Gneiss, Hoardly Point, Quilford, Conn.	[24]
5809	Altered peridotite with pyrrhotite (Lermondose 4387) Warren, MXA: Bastin's orig. locality S-9.0; NI.87, Cu.27 (see letter A.C. Lane, Jan 8/25)	
5810	Chrysolite, Adorf, Saxony, E.E. Howell	[376]
5811	Saxonite - Harzburgite: Douglas Co. Oregon, E.E. Howell	[282]
5812	Amygdazoidal basalt: Marblehead, Mass, E.E. Howell	[222]
5813	Melaphyre; Roda Tyrol. E.E. Howell	[221]
5814	Vesicular Basalt: Faroe Islands, E.E. Howell	[280]
5815	Hyperstene Gabbro: Baltimore, Md., E.E. Howell	[281]
5816	Andesite - Lipari Island, E.E. Howell, Washington	[259]
5817	Later Andesite, Mt. Shasta, California, E.E. Howell	[255]
5818	Hornblende Porphyrite, Dresden, E.E. Howell	[262]
5819	Porphyrite, Witsdruff, Saxony, E.E. Howell	[266]
5820	Lava, Ice Spring Utah, E.E. Howell	[35371]
5821	Diorite - Washington, D.C., E.E. Howell	[251]
5822	Mica Diorite - Bavaria, E.E. Howell	[250]
5823	Kersantite (A dioritic lamprophyre) Franklin, N.J. E.E. Howell	[252]
5824	Gabbro diorite or metagabbro, Franklin, Md., E.E. Howell	[270]
Harvard University Museum 5825-5831		
5825	Gneissic granite, Milford, Mass.	[176]
5826	Orbicular granite, Craftsbury, Vermont	
5827	Red granite, Red Beach, Main.	[175]
5828	Tourmaline granite: Fitchburg, Mass.	[293]
5829	Granite, Saugus, Mass	[178]

5830	Pumice, Lipari Islands	[174]
5831	Obsidian, Lipari Islands (3 samples)	[171]
5832	Nephelite, Phillipsite, etc. in melilite basalt, Honolulu, Hawaii- H.S. Washington	[H5]
5833	Basalt: Eruption of 1669. Mt. Etna E 60 H.S.W.	
5834	Melilite basalt: Moiliciili Quarry, Honolulu, H.S. Washington.	[H4]
U.S. National Museum: from 5835 to 5900 inclusive:		
5835	Olivine Basalt: Pilot Knob, Routt Co. Colorado, H.S. Gale, U.S.N.M.	
5836	Peridotite: Selma, Josephine Co. , Oregon, U.S.N.M.	[394]
5837	Peridotite (cumberlandite) Cumberland, R. J. U.S.N.M.	[391]
5838	Pyroxenite - South of Grants Pass, Josephine Co., Oregon, U.S.N.M. 77150	[393]
5839	Bronzite: Webster, N.C., U.S.N.M.	[396]
5840	Basaltic andesite, Delta, Shasta Co., California.	[371]
5841	Dacite porphyry, Clear Cr., Shasta Co., California.	[375]
5842	Theralite: Gordon's Butte, Crazy Mts, Montana. U.S.N.M. 70599	[389]
5843	Dolerite: Valmont, Colorado - Boulder Co. U.S.N.M. 76631	[378]
5844	Diabase with hyperstene, 2 mi. E of Tenant's Harbour, Maine.	[381]
5845	Diabase - York, Pa. D-13	[382]
5846	Basalt, T.H.S. Dazles, Oregon, U.S.G.S., U.S.N.M. 87849	[385]
M5847	Basalt: Pames Creek, near Red Bluff, Calif. U.S.N.M. 76417	[387]
5848	Basalt (Absarokite) near Ft. Ellis, Gallatin Co., Montana, U.S.N.M. 38598.	[390]
5849	Basalt with native iron-orifax, Disco Island, Greenland Ludwig Kumilien. U.S.N.M. 12118	[383]
M5850	Granite - Milford, Mass. U.S.N.M.	[383]
M5851	Muscovite granite, Bethel, Vermont	[326]
M5852	Biotite Granite. Near Woodstock, Maryland.	

5853	Granite - Pompton, N.J.	319 (325)
5854	Granite Porphyry 'Nevadite', Chalk Mt., Colorado.	(343)
5855	Qtz. Porphyry Pomigewasset, N.H.	(348)
5856	Qtz. Porphyry Dendritic Texture, Charlotte, N.C.	(350)
5857	Rhyolite. San Luis Potosi, Mexico, USNM 37739	(333)
5858	Rhyolite. Sparkling Gulch, Colorado, USNM 77277	(330)
5859	Liparite. 6 mi. E. of Bozeman, Montana	(331)
5860	Pumice Obsidian; Mono Lake, California.	(347)
5861	Perlite. Deer Creek Meadows, Tahama Co., California.	(351)
5862	Sublimate: Crater of Mt. Vesuvius → found in GM-101F	(61046)
5863	Obsidian: Mono Lake, California	(346)
5864	Pitchstone: Meissan, Saxony	(352)
M5865	Pitchstone: Meissen, Saxony.	(352)
M5866	Pitchstone Obsidian: Boulder, Montana	(345)
5867	Nordmarkite (Qtz. syenite), Mt. Ascutney, Vermont.	(354)
5868	Elaeolite Syenite, Braddock Quarry Near Little Rock, Ark. USNM. 62674	(367)
5869	Elaeolite Syenite "Pulaskite", Near Little Rock, Ark. USNM. 62670	(365)
5870	Mica Syenite: From between antelope & S. Boulder Creeks Threeforks, Montana (A.C. Peale)	(353)
5871	Elaeolite Syenite: Beemerville, Sussex Co., N.Y. USNM. 67397	(366)
5872	Syenite Porphyry: Appleton, Knox Co., Maine E. S. Bastin U.S.N. 76831	(359)
5873	Leucite Lava. Mt. Vesuvius, Italy USNM 53597	
5874	Trachyte. Rosita Hills, Custer Co., Colorado.	(360)
5875	Trachyte. Grey Rock Peak, Col. USNM. 77224	(357)
5876	Trachyte, Rosita Hills, Custer Co., Colorado.	(355)
5877	Qtz. Mica Latite, Cheep Mt., Silverton Quadrangle Colorado. W. Cross.	(337)
5878	Qtz. Latite: N. of the Wetterhorn Ouray Quad., Colorado. W. Cross.	(336)
5879	Phonolite: Black Butte, Black Hills, S. Dakota USNM. 39096	(364)



- OAXACA
- 5880 Tuff; Oaxaea, Mexico USNM. 37751 (340)
- 5881 Tuff; Tenango, State of Mexico, Mexico. USNM 37741 (338)
- 5882 Rhyolite Tuff: Oaxaea, Mexico (335)
- 5883 Volcanic Tuff: Somberete, Zachatecas, Mexico. USNM 37743 (332)
- 5884 Tuff: (Palagonite Tuff) S.W. Base of Punch Bowl:  
Oahu, Hawaii. USNM 53905 (339)
- 5885 Pumaceous Sandstone, Madison Co., Montana (379)
- 5886 Limestone - ejected block: Mt. Somma, Italy. USNM 53604
- 5887 Limestone, ejected block: Mt. Somma, Italy. USNM.
- 5888 (9) Spherulites: Near Silver City, New Mexico. USNM 74059
- 5889 Artificial Glass with Spherulites.
- 5890 Lapilli, Cinder Cone, Lassen Co., California.
- 5891 Sublimate from Crater of Mt. Vesuvius (334)
- 5892 Diorite Porphyry - near Head of LaPlata River, La Plata  
Quad. Col. USNM 150. (370)
- 5893 Granodiorite: Coyote Hills, Oregon. (368)
- 5894 Kersantite (A Dioritic Lamprophyre) Franklin, Sussex Co.,  
N.J. USNM 67414 (369)
- 5895 Hornblende <sup>PORPHYRY</sup> - Cedar Cr., Madison Co., Montana  
G.W. Merrill. USNM 72866 (374)
- M5896 HBL. Andesite, Mt. Shasta, Calif. USNM 77152 (379)
- 5897 HBL. Andesite, Teuanya, Mexico USNM 37741 (372)
- 5898 Hyperstene Andesite: Mt. Shasta, California (377)
- 5899 Vesicular Andesite - with fulgurite tubes. Lillte  
Ararat, Armenia. USNM 52093
- 5900 Hyperstene Andesite: Zachatecas, Mexico USNM 37783 (376)
- 5901-5924 Misc.
- 5901 Hedrumite W. Trachytoid Texture. See Mem. 55 p142:  
Ice River, B.C. J.A. Allan. (3)
- 5902 GSC132 Nepheline Syenite: Outremont, Que.

- 5903 Aegerine Syenite Judith Mts., Montana. (363)
- 5904 <sup>Foyatite</sup> Foyatite Dyke, Syenite. Salem, Mass. Coll. JAA (84)
- 5905 Nepheline Syenite. Feldspar rich, Ice River, B.C.  
J.A. Allan (2)
- 5906 Augite Syenite: Monzone, Tyrol. E.E. Howell. (232)
- 5907 Sodalite Syenite: Ice River, B.C. J.A. Allan
- 5908 Trachyte. W. Phenocrysts of Feldspar, Kranz, Bonn. (241)
- 5909 Dana 313: Orthoclase <sup>var. SANDINE</sup> var. Sandine (Monoclinic) in  
Trachyte: Drachenfels, Siebengebepge, Rhenish, Prussia.
- 5910 Sandine Trachyte: Davies Tower, S. Dakota. E.E. Howell (235)
- 5911 Trachyte: Wolferling in Odenwald. E.E. Howell (238)
- 5912 Leucitophyre: Rieden R. Prussia. Howells. (218)
- 5913 Qtz Latite. Sheep Mt., Colorado (329)
- 5914 Leucite Phonolite: Perlerkopf, Eifel. E.E. Howel. (247)
- 5915 Phonolite: Black Butte, S.D. E.E. Howell. (245)
- 5916 Minette, from St. Michaelis. (236)
- 5917 Trachyte: Puu Anahulu, Hawaii. H.S. Washington, 1920. (H82)
- 5918 Volcanic Tuff. Zacaticas, Mexico. E.E. Howell (212)
- 5919 Tuff, Rothliegendes, Rochlitz Saxony (521)
- 5920 Tuff; Ojo Caliente, Mexico. E.E. Howell. (213)
- 5921 Volcanic Ash. Deadman Lake - 35 mi. N. of Savona, B.C.  
J. Keele.
- 5922 Volcanic Dust - Near Waldeck, Sask. Coll. L.H. Cole. See  
mines Branch pub. 673-P86. (1927)
- 5923
- 5924 Volcanic Dust - Mt. Peter.
- 5925-5955 - German Series - K.S. Mineralien - Niederlage Zu Frei Berg
- 5925 "Trummer" (Vein or Dyke) of Granite in Qtz- Biotite Schist.  
From Haide Mühle in Preisnitzgrund, near Klotzscnee (203)

5926	Granite: Oberschlema Bei Schneeberg, Sacheen	(201)
5927	Biotite Granite im Spaar Bei Dohna (Dohnaer Granite)	(202)
5928	Granite Porphyry, Altenberg Germany	(224)
5929	Granite Porphyry: Gros Steinburg, Near Griminia, Sachsen	(219)
5930	Qtz. Porphyry from Muldenthaiz	(228)
5931	Mica Porphyry from Wilsdruff, G.	(207)
5932	Garnet Felsite, Greifendorf, Sachsen	(315)
5933	Topaz-Qtz. Porphyry: from the vicinity of Schneckenstein near Auerbach in S.	(223)
5934	Thonstein Porphyry. Rhyolite Group Pantellerite.	(244)
5935	Rhyolite. Schemnite in Ungava	(215)
5936	Perlite from Schemnitz Ungarn	(211)
5937	Syenite from Planen near Dresden	(231)
5938	Pyroxene Syenite: from Groba, near Riesa, Saxony.	(237)
5939	Syenite from Bosedorf near Moritz	(233)
5940	Phonolite: from Schlohsberg near Bruse, Bohemia.	(246)
5941	Porphyry Tuff: from Nieder Wiesa, near Chemnitz	(226)
5942	Porphyry Tuff: from Rocklitz	
5943	Diabase Tuff, Saxony	(278)
5944	Diorite from Balsburche near Freiberg.	(249)
5945	Qtz. Porphyry - Pyroxene Bearing. from Kleine Steinberg near Griminia in S.	
5946	Feldspar Porphyrite: from the Klosterhausern, near Meihsen	(220)
5947	Horn blende Andeshe, Germany	(261)
5948	Dolerite, Germany	(256)
M5949	Nephelene Dolerite	(242)
M5950	Proterobase (Altered Dolerite) from Bautzen	(279)
5951	Amphibole Diabase: from Leidewitzer Thal-near Burkhardtswalde.	(322)

- 5952 Plagioclase Basalt, Germany (272)
- 5953 Nephelite Basalt: Spechthansen, Germany (271)
- 5954 Eclogite: Germany (275)
- 5955 Porphyry - Alten Berg, Saxony. (230)
- 5956 Basalt Stalactites & lava funnels. Kilauea, Hawaii.  
H.S. Washington. H121
- 5958 Olivine Basalt - flow of 1868, Mauna <sup>LOA</sup> Loh, Hawaii.  
H.S. Washington (H12)
- 5959 Olivine Basalt Diabase - Burwash Lake West of Fe Formation  
1911 (151)
- 5960 Basalt: Deccan Trap: Kohalpur: HSW. Bull GSA-1922 (2472)
- 5961 Basalt: Bhouanieta Hill: Chhindwara Dist. Central Prov.  
India Anal. HSW Bull GSA1922 (250)
- 5962 Glassy <sup>PALTALLERITE</sup> Paltellgrite; Gelfisher, Pantelleria. H.S.Washington (257)
- 5963 Basalt: Hawaii - H.S. Washington (H118)
- 5964 Diabase Magma That Ran In/ a Gravel Bed - North of  
Thessalon River, Ontario. F. Hille (35)
- 5965 Saxonite - Harzburgite. Riddles, Oregon (392)
- 5966 Feather Amphibole: Faraday Tp., Ontario R-7; L16  
Hastings Co., G.S.C. (116)
- 5967 Porphyritic Monchiquite: Tunnel through Mt. Royal,  
Sta. 309-37 J.A. Bancroft (309137)
- 5968 Pryoxenite, Madras, India. H.S. Washington AMJSc 1916  
41 P330 (2389)
- 5969 Olivine: Bigelow Tp., Quebec GSC 481
- 5970 Diorite: Wakefield Tp., Quebec. GSC 134
- 5971 Nepheline Syenite: Dungannon Tp. Hastings Co., Ontario  
GSC 133
- 5972 #127 - GSC? Ident. Missing.
- 5973 Tonalite: Belchertown, Mass.
- 5974 Qtz. Diorite: Standard Mine; Silvertown, B.C.

## 5975-5999 (Miscellaneous)

- 5975 Augite Andesite - Siebengeberge, Rheinprussen. (254)  
F. Kranz, Bonn.
- 5976 Qtz. Monzonite: Butte City, Montana. M.I. Tech. (85)
- 5977 Andesite: Deadwood, S.D. (258)
- 5978 Dacite, Nantasket, Mass. (268)
- 5979 Gabbro Atikokan River, Ontario. F. Hille (48)
- 5980 Theralite, <sup>CRAZY</sup> Crazy Mts., Montana (384)
- 5981 Augite Norite (Basic Charnocrite), St. Thomas Mt.,  
Madras. <sup>Charnockite</sup> H.S. Washington, A.M. Jour.Sci. 41, 1916 (2387)
- 5982 (a & b) <sup>CONCRETIONS</sup> Concretions from Kugez <sup>GABBRO</sup> Babbro, Smaalenene, Norway. (397)
- 5983 Diabase - Nahant, Maxx. (269)
- 5984 Dolerite: Stoppelsberg, Rhon. F. Kranz, Bonn (257)
- 5985 Qtz. Basalt: Snag Lake, Calif. (386)
- 5986 Basalt W. <sup>CRYSTALS</sup> Plagioclase Xtzs: Old Bombs of 1790 Kilauea  
Eruption. H.S. Washington H151
- 5987 Diorite: Bridge River, B.C. Coll. G. Tyrrell
- 5988 Granite & Qtz. Porphyry Contact, Quebec.
- 5989 Norite Loc?
- 5990 Theralite, Gordons Butte, Crazy Mts., Montana  
E.E. Howell D-13 (274)
- ~~5991~~ Pyroxenite ~~Loc?~~ *relabelled M6080, part of JAA Ice River Suite.*
- 5992 Amygdaloidal Porphyritic Basalt Kylsyth
- 5993 A: (Diabase) Gabbro: Plumose (Palagonite): Holyoke Reservoir (D:3)  
B: (Diabase) Gabbro: Plumose: "Diabase & Holyokeite"  
New Holyoke Reservoir, Triassic (D:2)  
C: Diabase with limestone inclusions: Holyoke Reservoir
- 5994 Scoria Loc?
- M5995 Tertiary Basalt: Kelona Canyon E. of Kelowna, B.C.  
Coll. R.A. Burwash, July 1967.

M5996 Serpentine Nodule: Tulameen, B.C. From Ron Taylor Rock Shop, Penticton, B.C. Coll. R.A. Burwash, July/67.

M5997 Biotite Granite: Kalamalka Lake View Point on Hwy. 97 South of Vernon, B.C. Coll. R.A. Burwash, July, 1967.

M5998 <sup>AMYGDALOIDAL</sup> Amygdaloidal Basalt: Skaha Lake View Point, on Hwy. 97 South of Penticton, B.C. Coll. R.A. Burwash, July, 1967.

M5999 <sup>AMYGDALOIDAL</sup> Amygdaloidal Basalt, Westbank, B.C. Coll. R.A. Burwash, July 1967.

M6000 Rhyolite Porphyry: Shingle Creek. 2 mi. west of Penticton, B.C. on road to Apex Ski Resort. Coll. R.A. Burwash. note: several specimens also large feldspar crystals which were removed from the rhyolite. *2 boulders from R.A. Burwash differ in color & phenos. same location massive piece found in 5/11/67*

6001 Edmonton ss River level, Pembina River Bridge, Hwy. 16 Alberta.

6002 Paskapoo ss, near top of Bank, Pembina River Bridge, Hwy. 16, Alberta.

6003 Paskapoo ss. Saskatchewan River LSD 16-3-47-9W5

6004 Paskapoo ss, Saskatchewan River, Drayton Valley Bridge, East Bank

6005 Paskapoo ss. Saskatchewan River Drayton Valley Bridge, West Bank.

6006 Basal "Paskapoo" ss 1/2 mile below Forestry Trunk Road Bridge over Blackstone River.

6007 Brazeau ss below Entrance CGL., Hwy. 16, 1/4 mi. west of Fisher Ranch House near Entrance.

6008 Diabase Dyke, Uranium City, Saskatchewan. Cuts Tazin complex. South side of main street of Uranium City, across from Hotel. From L.S. <sup>PECK</sup> Back Sask. D.M.R. to R.A. Burwash, May, 1963.

6009 Galena-sphalerite, about 100 lbs. Pine Point, Great Slave Lake, N.W.T. 28-X-64. J.D.B. <sup>PROSE</sup> (Bruse) Hills, Peace River, Alberta. Previous donation catalogued 5017.

6010 Galena, very coarse, from Galena Island, N.W.T. Andy Demco, 1964.

6011 Paskapoo ss. immediately below Tertiary Gravel on top of Whitecourt Hill. (3700') south of Whitecourt.

- 6012-6014 Paskapoo ss from road up Whitecourt Hill at approx. 3500-2550', 3275', and 3150' respectively.
- 6015 Fluvio-Glacial Sand, 30' above McLeod River at Whitecourt (SE1/4, 28-59-12W5).
- 6016 Edmonton ss - Road cut LSD7-13-59-13W5.
- 6017 "Basal" Paskapoo ss - McLeod River Cliff LSD3 - 15 - 58 - 13W5.
- 6018 Paskapoo? ss - Stream Bottom SW1/4 32-57-13W5 @ 2750' where road crosses.
- 6019 "Saunders" ss - McLeod River bank at old Mahaska Ferry site SW1/4-4-57=13W5.
- 6020 Glacial Sand McLeod River NE1/4-34-56-13W5.
- 6021 "Saunders" ss - 30' cliff ss., East bank McLeod River. W1/2-17-56-13W5.
- 6022 "Saunders" ss - McLeod River SE1/4 17-55-13W5.
- 6023 "Saunders" ss - McLeod River Center 35-54-14W5.
- 6024 "Saunders" ss - Cliff forming ss, McLeod River, NW1/4 18-55-13W5.
- 6025 "Saunders" ss, McLeod River, SE1/4 6-55-14W5.
- 6026 "Saunders" ss, Cliff, McLeod River, NE1/4-29-54-15W5.
- 6027 "Saunders" ss, McLeod River, NE1/4 20-53-16W5.
- 6028-6046 Suite of Minerals from Ivigtut, Greenland. Donated by Dr. H. Baadsgaard, January 13, 1965.
- 6028 Dark fluorite in cryolite darkened by radiation from radioactive fluorite, brownish red. ~~28~~ pcs.
- 6029 Same as 6028.
- 6030 Cryolite w. violet tinge originating from lattice disturbances caused by blasting.
- 6031 Cryolite
- 6032 Cryolite
- 6033 Cryolite
- 6034 CHIOLITE  $\text{Na}_5\text{Al}_3\text{F}_{14}$

- 6035 Cryolithionite -  $\text{Na}_3\text{Li}_3(\text{AlF}_6)_2$
- 6036 Cryolite w. siderite
- 6037 Cryolite, siderite, galena
- 6038 Fluorite, as a crust on cryolite, w. siderite
- 6039 Siderite
- 6040 Typical rock from the fluorite zone, containing fluorite, cryolite and ivigtite.
- 6041 Violet fluorite w. ivigtite (green)
- 6042 Jarlite , reddish  $\text{NaSr}_3\text{Al}_3\text{F}_{16}$
- 6043 Galena and chalcopyrite in siderite
- 6044 Thomsenolite,  $\text{NaF} \cdot \text{CaF}_2 \cdot \text{AlF}_3 \cdot \text{H}_2\text{O}$  and ralstonite  $(\text{Na}_2, \text{Mg})\text{F}_2 \cdot 3\text{Al}(\text{F}, \text{OH})_3 \cdot 2\text{H}_2\text{O}$
- 6045 Greisen w. fluorite - 2 pcs.
- 6046 Ivigtite, a green K-mica-7 pcs.
- 6047 Suite of rocks and ores from Thompson, Manitoba donated by J. K. Diebel, International Nickel Co., December, 1964.
- 6047-1 Quartzite
- 6047-2 Skarn
- 6047-3 Biotite schist
- 6047-4 Biotite gneiss
- 6047-5 Granite gneiss
- 6047-6 Amphibole gneiss
- 6047-7 Garnet feldspar amphibole gneiss
- 6047-8 Peridotite
- 6047-9 Metaperidotite-fine grained
- 6047-10 Metaperidotite-coarse grained
- 6047-11 Mineralized peridotite
- 6047-12 Iron formation
- 6047-13 Mineralized schist



6047-14	Pegmatite	
6047-15	Serpentinized marble	
6047-16	Marble	
6047-17	Mineralized pegmatite	
6047-18	Breccia sulfide-fine grained	
6047-19	Breccia sulfide-coarse grained	
6047-20	Biotite Schist	
6047-21	Marble	
6047-22	Mineralized biotite schist - 4 pcs.	
6047-23	Quartzite	
6047-24	Metaperidotite	
6047-25	Peridotite - 3 pcs.	
6047-26	Mineralized peridotite - 3 pcs.	
6047-27	Brecciated sulfide, coarse grained - 5 pieces	
6047-28	Brecciated sulfide, fine grained 2 pcs.	
M6048	Granite - Deer Isle, Maine. Foote.	(Gr-5)
M6049	Granite - Mara, Minnesota. Foote.	(Gr-4)
M6050	Foote 13; Granite - Colorado, U.S.A.	(Gr-3)
M6051	Foote. Hornblende Granite - Rockport, Mass.	(Gr-1)
M6052	Foote 57; Granite, Massachusetts, U.S.A.	(Gr-21)
M6053	Foote; Biotite Granite, Jamestown, Maine	(Gr-16)
M6054	Foote 19; Granite, Muscovite-Biotite; Hallows, Maine, U.S.A.	(Gr-8)
M6055	Foote 18; Graphic Granite, Clear Creek Canyon, Colorado.	(Gr-6)
M6056	Foote; Perthite; Perth, Ontario.	(Gr-42)
M6057	Foote; Syenite (Nordmarkite), Windsor, Vermont.	
M6058	Foote; Nepheline-Syenite, Litchfield, Maine.	
M6059	Quartz Monzonite, San Juan Co., Colo. Foote.	

- M6060 Augite Diorite, Little Falls, Minn. Foote.
- M6061 Gabbro, Orbicular. El Cajon, San Diego Co., Calif. Foote.
- M6062 Gabbro, Garnetiferous. Yellow Medicine Co., Minn. Foote.
- M6063 Dunite, Jackson Co., North Carolina. Foote.
- M6064 Trachyte, Rowena, Boulder Co., Colorado. Foote.

## Ice River Suite

- M6065 Normal Nepheline Syenite: Ice River Area, B.C. Coll. J.A. Allan #1.
- M6066 <sup>TRACHYTOID</sup> Hedrumite Trachytoid Texture: Ice River, B.C. Coll. J.A. Allan - #3
- M6067 Borolanite (with sphene) - Ice River, B.C. J.A. Allan #4
- M6068 Hydronephelite, syenite: Ice River, B.C. J.A. Allen #5 (See p.140, GSC Memoir 55.)
- M6069 A. Ijolite: Ice River, B.C. J.A. Allan #6  
B. Ijolite with feldspar: Ice River, B.C. J.A. Allan #6
- M6070 Poikilitic Ijolite: (Porphyry) Ice River, B.C. J.A. Allan #7.
- M6071 A & B. Ijolite (type) Ice River, B.C. J.A. Allen #8
- M6072 Urtite: Ice River, B.C. J.A. Allan #9
- M6073 Urtite (Pegmatitic) Ice River, B.C. J.A. Allan #10.
- M6074 Jacupyrangite with titaniferous Augite: J.A. Allan Ice River, B.C. #11. (See A.J.S. Separate)
- M6075 Jacupyrangite with Ilmenite: J.A. Allan #12 Ice River, B.C.
- M6076 Jacupyrangite; Porphyry with Nepheline & Hydronephelite Ice River, B.C. J. A. Allan #13.
- M6077 A. & B. Urtite Porphyry. Ice River, B.C. J.A. Allan #14.
- M6078 Jacupyrangite Porphyry: Ice River, B.C. J.A. Allan #15
- M6079 A & B. Jacupyrangite with Amphibole. Ice River, B.C. J.A. Allan #16.
- M6080 Jacupyrangite with Biotite. Ice River, B.C. J.A. Allan #17.

- M6081 Sphenitite: Ice River, B.C. J.A. Allan #20.
- M6082 Jacupyrangite with Titaniferous Augite. J. A. Allen #29  
Ice River, B.C.
- M6083 Sodalite Syenite: Ice River, B.C. J.A. Allan
- M6084 Sphene Rich Porphyry: Nephelite Rocks. J.A. Allan #A  
Ice River, B.C.
- M6085 Hydronephelinite-Syenite: Ice River, B.C. J.A. Allan #B
- M6086 Jacupyrangite Porphyry. Ice River, B.C. J.A. Allan
- M6087 Sodalite Syenite. Ice River, B.C. J.A. Allan
- M6088 Ice River, B.C.? - (specimen - no card)
- M6089 A & B. Fossil Leaves: Coll. R.A. Burwash, July, 1967.  
Road cut on Hwy. 97, 1 mi. north of Summerland, B.C.  
At fossil locality marked on G.S.C. map 15-1961 (map  
unit 19b - Eocene or Oligocene).
- M6090 Aplite Dyke: Loc.? Gr-56
- M6091 Pyroxenite Loc.? U1-2
- M6092 Pyroxenite Tulameen, B.C. U-17
- M6093 Diorite: Wakefield, Mass. D-5
- M6094 Olivine Hyperstene Gabbro: Cold Springs, Oklahoma  
Foote G-1
- M6095 Basalt Somerset Co., N.Y.
- M6096 Serpentine, Lizard, Cornwall 50
- M6097 Suite of samples collected by R.A. Burwash on G.A.C. field  
trip No. 6, Sept. 3, 1967. Northbrook-Ompah area, Ontario.  
See G.A.C. Guidebook, Aug. 1967.
- (a) Stop 1. Kalapar conglomerate, and underlying (?)  
Northbrook Gneiss (Basement).
- (b) Stop 2. Pelitic schist, chloritoid - staurolite facies.
- (c) Stop 3. Pelitic schist, chloritoid porphyroblasts.
- (d) Stop 3A. Bishop's Corners - Meta-Andesite in Amphibolite  
facies.
- (e) Stop 5 - Pelitic schist - Staurolite - Garnet schist.

(f) Stop 6 - Pelitic schist - Staurolite schist with large porphyroblasts of Staurolite.

(g) Stop 7 - Kyanite & Sillimanite - Muscovite schist.

(h) Stop 9 - Nodular sillimanite - Garnet schist.

M6098

Suite of specimens collected by R.A. Burwash on G.A.C. field trip, Sept. 4, 1967. North of Kingston, Ontario. See G.A.C. Guidebook, Aug. 1967, pp. 259-266.

(a) Stop 1 - Perth road Monzonite. Cataclastic, re-activated basement.

(b) Stop 3 - Hypersthene Gneiss (Charnockite)

(c) Stop 4 - Hypersthene - Garnet Gneiss

(d) Stop 6 - Westport Monzonite, w/ spilene

(e) Stop 7 - Chondrodite marble

(f) Stop 8 - Cordierite - Garnet Gneiss

(g) Stop 9 - Basement Gneiss, grey w/lineation

(h) Stop 10c - Hypersthene - Garnet Granulite

(i) Stop 11 - Amphibolite, with Garnet/Diopside

M6099

Suite of samples from Ed Wallis, Downie Creek, B.C.

A. Kyanite - Garnet schist

B. Kyanite - Mica Pegmatite

C. <sup>TOURMALINE</sup> Tourmaline Mica Pegmatite

Given to R.A. Burwash, July, 1967.

M6100

Kyanite Garnet Schist: Mica Creek Dam, East Abutment, Road cut in New Highway. Coll. R.A. Burwash, July, 1967.

6100R: Tourmaline Pegmatite, 1/2 mi. south of Mica Creek Townsite: in road cut.

M6101

Cavell Quartzite: Mt. Edith Cavell Moraine: 2 spec.) (Rab 67 Jn 22-1)

M6102

Miette Group, Pyramid Lake (RAB 67 Jn 23-1), 1/4 mi. S. of Island Picnic Ground.

M6103

Hornblende Granite: Loc? used in (old) Arts Bldg.

Possibly FITS#  
in ESB 1-06 ✓ M6104  
EAS231 LABS?

Athabasca sandstone

✓ M6105

Syenite: Marathon, Ontario: on Trans-Canada Highway.  
Coll. S. Thomson, Aug. 1967.

M6106 Hornblendite (old No. U-19). Loc?

From Stelck & Burwash Field Trip, June, 1966.

M6107 Limestone Breccia, Old Fort Point Formation: Portal Creek  
Section, N. side of road, below Gondola Lift parking lot.  
Bursash, June, 1966. RAB 66, Jn 6-1.

M6108 Meta-Argillite(?) - Originally mapped as an igneous rock  
body by J. Weiner: appears to be a metamorphosed limey,  
silty argillite: conformable with enclosing beds.  
Suggestion of bedding. Loc. 3400' past Miette River  
Bridge. RAB 66 - Jn 7-1

M6109 Collenia, Scolithis, Archeocyathids, Oolites in Dolomite.  
Loc. Grant Brook. RAB 66 - JN 7-2. Yellowhead pass area  
B.C. → found in GH-101F

M6110 Algal Limestone: Moose River, RAB 66 - Jn 7-3.

M6111 Phyllite (crumpled) 1000' up creek on N.W. side of Trail (B.C.)  
RAB 66 - Jn 8-1.

M6112 Pyritic Siltstone (Loc. as M6111) RAB 66 - Jn 8-1

M6113

- a.
- b.
- c.
- d.

RAB 66 - Jn 8-2: HorseCreek Bridge N.E. logging road (B.C.)

M6114 Qtzite with Phyllitic Bands: 200' off road - 135° steep N.E.  
RAB 66 - Jn 8-3.

M6115 Rodded Quartzite with thin Lamina of Chlorite - 'Chlorite  
Zone'. From Quarry 100' N.E. of Road. RAB 66 - Jn 8-4.

M6116 Phyllite with minor crenulations: 1 mi. W. of McBride P.O.-  
on new highway. RAB 66 - Jn 9-1.

M6117

A. Quartzite

B. Phyllite

East side of W. Twin Creek, B.C. RAB 66 - Jn 9-2.

M6118 ~~M6118~~ A. Phyllite - Crinkled & Refolded. 2pc

B. Qtzite.

Blasted cut, W. of Bridge over Goat River. RAB 66 - Jn 9-3.

- M6119 A. Phyllite  
B. Qtz. Feldspar Grit.  
RAB 66 - Jn 9-4.
- M6120 A. Phyllite  
B. Grit  
C. Quartzite  
Loc. N.W. Abutment of Twin Creek Bridge, RAB 66 - Jn 9-5.
- M6121 Phyllite. 500' below upper lookout. RAB 66 - Jn 10-1.
- M6122 A. Quartzite  
B. Conglomerate boulders, deeply weathered.  
Loc. RAB 66 - Jn 10-2.
- M6123 Phyllite with complex fold patterns. Roadbend 500' above lower tower. RAB 66 - Jn 10-3.
- M6124 Finely Xtalline bluish grey limestone. Same loc. as M6123, 100' above tower. RAB 66 - Jn 10-4.
- M6125 Schistose Calc-Shales. RAB 66 - Jn 10-5.  
Thin bedded buff weathering. About 500' below tower.
- M6126 Feldspar Grit. RAB 66 - Jn 10-6.  
Near Rainbow Falls, B.C.
- M6127 Conglomerate RAB 66 - Jn 1-1  
A.  
B.  
C. Lenticular pebble conglomerate.  
Loc.
- M6128 Chlorite <sup>Sericite</sup> ~~Sericite~~ (Talc?) Schist. RAB66 - Jn 11-2. Loc.
- M6129 Med. Grained Xtalline Limestone, light buff to white buff weathering. RAB 66 - Jn 11-3.  
Loc.
- M6130 (RAB 66 - Jn 11-4)  
Med. grained Xtalline Limestone.
- ✓ M6131 A. Muscovite Biotite Garnet Schist. RAB 66 - Jn 12-1. *1 pc. T-350 exam coll*  
B.  
Loc.

- M6132 Arched Cyathids RAB 66 JN 12-2  
Loc:
- M6133 A. Chlorite - Sericite Schist RAB 66 Jn 13-1  
B. Qtz. veins  
Loc: 1/2 mi. west of Rausch Valley R.R. Station, B.C.
- M6134 Pebbles & Cobbles from Tete Creek. RAB 66 Jn 14-1  
A. Archeocyathid Bearing CARBONATE (LOWER PRECAMBRIAN)  
B. Stankolite Garnet schist  
C. Kyanite schist  
D. Sillimanite Mica schist  
E. Plagioclase Amphibolite  
F. Plagioclase Garnet
- M6135 A. Large Pyrite Crystals in Slate  
B. RAB 66 Jn 14-2  
C.  
Loc:
- M6136 A. Red Marble RAB 66 - Jn 15-1  
B. Buff Dolomite  
Loc: Grant Brook Quarry, Grant Brook, B.C.
- M6137 Float From Grant Brook RAB 66 Jn 15-2
- M6138 A.  
B. RAB 66 Jn 16-2
- M6139 Samples of Red Limestone RAB 66 - Jn 16-3  
Moose River Canyon above Railway Bridge.  
A = 300' above Bridge  
B = 500' above Bridge  
C = 800' above Bridge.
- M6140 Collenia in Red L.S. RAB 66 Jn 17-1  
Algaz Reef locality S.E. of Lake Edith, Alberta.
- M6141 Algal Limestone RAB 66 Jn 16-1  
Loc:
- M6142 Algal Carbonate Rock Unit. 1/2 mi. S.E. of Lake Edith, Jasper National Park.
- M6143 Pyritic Quartzite. West of Red Pass Junction on Highway 16.  
(cf. M6135) Coll. M. Tomlinson, 1966.
- M6144 Obsidian. Middleton's Ridge, Ascension Islands South Atlantic. Coll. by DCW Smith, July, 1965.
- M6145 Migmatite. 7 mi. west of Christina Lake on B.C. Highway #3.  
RAB 65 MA5-5. Coll. Dr. R.A. Burwash.
- M6146 Redout Lake Granite. East of Redout Lake, N.W. Territories  
(113°.03'W) 62°.45 1/2"N. Coll. D.C. Green.

- M6147 Biotite Granite (SL) <sup>MONZONITE</sup> Piol. is either manzonite - adamellite.  
North Redout Lake: 113° 03'W, 62° 46' N.  
Coll. D.C. Green.
- M6148 Coarse Grained Marble. Kootenay Bay, B.C.
- M6149 Muscovite Biotite Gneiss: 1/2 mi. East of Kootenay Bay  
B.C. Highway #3. Hofsteenge Thesis Suite (4)-36. K-AR Dated.
- M6150 Gneiss: (Muscovite-Biotite Gneiss) 1/2 mi. East of Kootenay  
Bay. Hofsteenge Thesis Suite (4-31). K-Ar Dated.
- M6151 Garnetiferous Amphibolite. On B.C. Highway #3, 1/2 mi.  
East of Kootenay Bay, B.C. K-Ar Hbl=120my. Hofsteenge  
Suite (4)-42.
- M6152 <sup>DIOPSIDE</sup> Dropside Carbonate Rock. Badshot formation. Mi. 48.5 on  
Creston-Kootenay Bay Road Log, B.C. Hwy. 3A.
- M6153 <sup>TALC</sup> ~~Tazc~~-Tremolite Tourmaline Vein Rock. Kootenay Bay, B.C.  
(Geol. 507 Map Area)
- M6154 <sup>DIOPSIDE</sup> Dropside Tremolite Calcite Hornfels. Kootenay Bay, B.C.  
Geol. 507 Map Area.
- M6155 Quartz Monzonite. Grey Creek Stock, Kootenay Lake, B.C.  
(cf 3182)
- M6156 Ymir Monzonite. Mafic Rich Phase, with Biotite-Feldspar  
Quartz Fracture Filling. (Late Magmatic). Coll. C. Dodds.
- M6157 Quartz Vein, <sup>HYDROTHERMALLY</sup> Hydrothermally Altering Pyroxene Syenite:  
Ymir, B.C. (cf 2008).
- M6158 Galena: Probably Bluebell Mine: Coll. P. Hofsteenge, 1960.
- M6159 Hamill Series: 3 mi. up Crawford Creek from Crawford Bay.
- M6160 Minette Pyke: Cuts Horsethief Creek Formation. Mi. 34.1 on  
Creston to Kootenay Bay Road Log. B.C. Highway 3A.
- M6161 <sup>GRANODIORITE</sup> Granopiorite: Near Pegmatite 84, Peg. Tantalum Mine 1 mi.  
East of Upper Ross Lake, N.W.T. 62° 44 1/2" N, 113° 08' W.
- M6162 Pegmatite. Gatineau Hills, P.Q. (North of Ottawa). Coll.  
Robt. Maiklem, 1961. *Cut into 3 pcs. Display in ig. pct. room 312 ESB*
- M6163 Calcite- Diopside Marble. Gatineau Hills, P.Q.  
North of Ottawa: Coll. Robert Maiklem, 1961.
- M6164 <sup>TALC</sup> Tourmaline Insericite - Tazc schist: Kootenay Bay, B.C.  
Coll. P. Hofsteenge, 1962.



- M6165 <sup>MINETTE</sup> Pegmatite Dyke with Talc-Phzogopite Selvage.  
Kootenay Bay, B.C. Coll. M.C. Tomlinson, May 1965.
- M6166 A. Algal Limestone, Siyeh formation  
B. Purcell Lava (or Sill?)  
5 mi. North of Newgate, B.C. 49° 05'N, 115° 13' W.  
RAB 66 Se 8-2. Coll. R.A. Burwash.
- M6167 Gateway Formation. Oolitic Carbonate Unit. Ridge East  
of Tamarack Lake. 49° 55'N., 115° 58' W. RAB 66 Se9-1.  
Coll. RA. Burwash.
- M6168 Gateway Formation. Oolitic Carbonate Unit. 49° 55' 30" N.,  
115° 46' 30" W. RAB66 Se9-2. Voll. R.A. Burwash.
- M6169 Minette: Dyke 8' wide, Strike N-S. 2 mi. West of  
Skookum Chuch Station, Fernie W 1/2. Coll. R.A. Burwash,  
RAB 66 - Se9-3.
- M6170 <sup>LAVA</sup> Purcell Lava: on Skookum Chuch Creek, 2 mi. West of  
Skookumchuck Railroad Station: Fernie W 1/2. Coll. R.A.  
Burwash. RAB 66 Se9-4.
- M6171 Phillips Formation. 0.4 mi. West of Skookumchuck R.R.  
Station. Coll. R.A. Burwash. RAB 66 Se9-5.
- M6172 Kitchener Formation: On B.C. Highway #3, E. Side of Upper  
Moyie Lk. 1/2 mi. South of Peavine Creek Bridge. Coll.  
R.A. Burwash, RAB 66 Se10-1.
- M6173 Granite Boulder from Toby Conglomerate: Canal Flats  
Map Area. 50° 07' 30" N, 115° 15' 30"N.  
Coll. R.A. Burwash. RAB 66 Se10-2
- M6174 Toby Conglomerate: Mainly Argillite with Granite Pebble:  
Gravel Road West of Lake Windermere at <sup>Brady</sup> Brady Creek. Coll.  
R.A. Burwash RAB 66 Sell-1. <sup>BRADY</sup>
- M6175 Toby Conglomerate. Gravel road on West side of Lake Windermere.  
1.6 mi. South of Invermere Hotel (Road mileage). Coll.  
R.A. Burwash. RAB66 Sell-2.
- M6176 Gateway Formation. Pisolitic Carbonate Unit: E. Side of  
TAMARACK Lake: Fernie, W 1/2. Coll. R.A. Burwash. RAB67 Ma2-1.  
<sup>TAMARACK</sup>
- M6177 Porphyritic Basalt: <sup>LAVAS</sup> Purcell Lauas: Skookumchuck Creek:  
2 mi. West of Skookumchuck R.R. Station. Coll. R.A. Burwash.  
RAB 67 Ma 2-2.
- M6178 Minette Dyke.  
A. Chilled margin  
B. Coarse Phase.  
Skookumchuck Creek (cf M6169). Coll. R.A. Burwash, RAB 67 Ma2-3.

- M6179 Purcell Diabase Sill: Hiawatha Motel: Mi 11.1 South of Cranbrook, B.C. on B.C. Highway #3. Coll. R.A. Burwash. RAB 67 Ma3-1.
- M6180 Volcanic Bomb, Crowsnest Volcanics: Coleman-Kananaskis Forestry Road. Bridge over Oldman River, along bank under Bridge. Coll. D.A. White, Imperial Oil. 1966.
- M6181 Quartz Monzonite. "Granite A", Andrew Lake North Map Area; J.D. Godfrey, Research Council of Alberta. (Prelim Report 58-3, R.C.A.)
- M6182 Copper Mineralization samples. Coll. S.A. Jackson Sept. 1967 Northstar Copper Mines property on N.E. Slope of Mountain North of Kaza Lake, B.C., Smithers M.D. Showings approx. 2 mi. from lake in volcanic sedimentary series dipping N.E. sequence is 1st. overlain by Mineralized siltstone followed by mined volcanics and more limestone.

Samples:

- (A) Mineralized siltstone with Chalcocite-Bornite along bedding planes and in fractures, in surface outcrop Siltstone is usually Brecciated some Breccia fragments surrounded by Mineralization. This sample from main showing. 3 pcs.
- (B) Brecciated Volcanics replaced by <sup>MINERALIZATION</sup> CU ~~Min~~-Zn. mainly Chalcocite overlying the Siltstone horizon. Specimen from 150' below (topographic) main showing. 4 pcs.
- (C) Massive Chalcocite - Bornite from vein probably in volcanics. Exact location not seen by collector within 2000 ft. of main showing. 1 piece.
- (D) Mineralized vesicular lava flow top from volcanic sequence overlying main showing. Exact location and extent not known to collector. 1 piece.

M6183 Cordierite - Hypersthene - Garnet - Plagioclase Gneiss. Paint Lake, Manitoba. Sec. 14, Twp. 74, R. 5, W.P.M. Coll. Ulrich Rath, 1967.

M6184 Mylonite. South of St. Louis Fault, approx. 15 mi. E. of Uranium City, Sask., 1/2 mi. N.W. of G. Bird Thesis area. Coll. R.A. Burwash, 1966.

M6185 - Lortdram Mines - Co. Tipperary - Ireland.

1. Bentonite 6" thickness - location SW, 55 on grid system.
2. Ore 1 1/2% Cu - EW 0, 55
3. Gray massive limestone - Cu in veins (low grade)  
EW 0 + 50E, 45
4. Massive chalcopyrite from high grade zone  
1150E, 45
5. Chalcopyrite along fractures in Devonian sandstone  
- quartzite near fault.

M6186 Consolidated Moquel - Ireland.

- CH1 3 level shaft + pillar, almost barren -  
framboidal pyrite, some galena and sphalerite - 5 samples
- CH2 1 level fault (not ore) - fine pyrite with galena  
and sphalerite - 2 samples
- CH3 Main ore #1 level - fine pyrite with galena -  
1 sample
- CH4 Below ore in muddy reef (core syncline)  
sphalerite - 1 sample
- CH5 Hole G30, 277' anhydrite and sphalerite  
in rug - upper ore - 1 sample -
- CH6 Hole G 208 - 312' - arsenical ore -

M6187 Northgate - Tipperary Ireland.

Primary ore - sphalerite and galena, white -  
hole 43 & 435

M 6187 (Continued)

Primary ore - galena sphalerite marcasite calcite -  
hole 52 - 351'?

Sulphide mud - hole 88 - 67'

Metabentonite - location 31850E, 21150N

Primary ore - 32975'E, 20900'N

Iron Formation - hole 178 366' - 50% Fe -  
32800'E, 21430'N

Sequoia - from sulphide mud overlying orebody  
Secondary ore -

M 6188 MARBLE, Loc. ?

6189

SULLIVAN MINE - KIMBELLY - B.C.

in ore lab  
3-07

- 6189 - 1 - Banded Ore
- 2 - Galena
- 3 - Sphalerite
- 4 - Pyrrhotite Zone
- 5 - Tin Zone
- 6 - Garnet Zone
- 7 - Central Iron Zone
- 8 - Footwall - untourmalinized
- 9 - Footwall - tourmalinized.
- 6189 - 10 - Footwall Quartzite
- 11 - Albitized Hanging Wall
- 12 - Diorite
- 6189 - 13 - Chalcopyrite

6190 - BURGIN MINE - TINTIC DISTRICT, UTAH

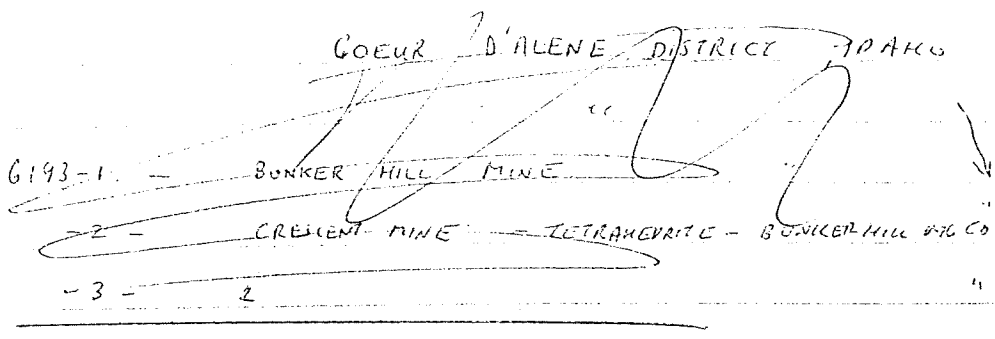
- 6190 - 1 - GALENA  
 - 2 - BANDED ORE  
 - 3 - GALENA CRYSTALS  
 - 4 - BOTRYOIDAL GALENA  
 - 5 - CERUSSITE CRYSTALS  
 - 6 - OXIDIZED ORE  
 6190 - 7 - SPHALERITE  
 - 8 - RHODOCHROSITE  
 - 9 - MINERALIZED BRECCIA ← small pieces  
 - 10 - CAPPING EOCENE VOLCANICS in 3-22 set  
 pet collection  
 lab 4 - Feb/99
- 

6191 - BARITE - PARSONS MINE OF MOUNTAIN MINERALS  
 PARSONS, NEAR ~~BRISCO~~ RADIUM, B.C.

6192

- 1 BARITE BRISCO MINE, BRISCO NEAR  
 RADIUM, B.C. (MOUNTAIN MINERALS)  
 - 2) BARITE - MVD GRADE - BRISCO MINE
-

6193



6193

COEUR D'ALENE DISTRICT, IDAHO

- 6193 - 1 - BUNKER MINE, BUNKER HILL M<sup>ts</sup> Co. " (6 samples)
- 2 - CRESCENT MINE " "
- 3 - 3700 LEVEL GALENA MINE A.S.A.R. CO "
- 4 - 2800 LEVEL GALENA MINE " "
- 5 - 4000 LEVEL " ASARCO "
- 6193 - 6 - 3700 LEVEL<sup>6</sup> WALL ROCK " " "
- 7 - DAY ROCK MINE, DAY MINES " (10 samples)
- 8 - STAR MINE HECLA MINING Co. "
- 9 - LUCKY FRIDAY MINE " "
- 6193 - 10 - SILVER SUMMIT MINE " "
- 6193 - 11 - SUNSHINE MINES " Samples not yet received  
Nov 14/67

- 6194 - 1 - Talc - Sericite Schist - Goat River - Hwy 16 - West of McBride B.C.
- 2 - (Chlorite Schist (Phyllite) " "

2 large ~~specimens~~ specimens

6195 - 1 BRECCIA ± 3 MILES NORTH OF ~~HORSESHOE~~ HORSESHOE  
BAY - VANCOUVER, B.C. ON SQUAMISH MOUNTAINS

6195 - 2 BRECCIA N 6 MILES NORTH  
- (MEGASPECIMEN)

6195 - 3 MYLONITE N 12 MILES

6196 GARNET SCHIST - CARIBOO CR. SOUTH OF SULLIVAN RIVER  
BIG ALNO - ROGERS PASS ~~AL~~ MAPSHEET  
B.C.

6197 - BRYNNOR MINE, BOSS MOUNTAIN, B.C. - NORANDA  
~~F350~~  
ESP 3-07

6198 - ENDAKO MINES, ENDAKO, B.C.

6199 CRANBLE MINES, BAGINE LAKE, B.C.

- 6200 — IDAHO LAKEVIEW MINE — LAKEVIEW, PEND D'OREILLE, IA.
- 6201 — CONJECTURE MINE ✓ — — —
- 6202 — RAINBOW MINE ✓ — — —

- 6203 — Banded Gneiss — about 10 miles southwest of Denver Colo.  
(Road cut) ~~RAB~~ Tony Rich '67

JADE SPECIMENS FROM OMINECA  
Mts B.C. PURCHASED FROM  
WINNIE ROBERTSON DEC 1967

- 6204 Kelly #1 Boulder Ogden Creek  
180-190 lbs, high quality nephrite Piece with rind  
4 lb 11 oz \$20/lb \$95  
Also two polished cabachons  
(round (oval), 1 diamond shape)

- 6205 Kelly #2 Boulder Ogden Ck area  
(tributary) 290 lbs ±  
5 1/4 lbs at \$10 \$52.50

- 1966 Ogden Ck 4 lb 13 oz 2 1/2 to 3 ton  
boulder \$8 lb in GH 54-32  
Near headwaters of Omineca  
River "Green with jade"



in Cordilleran Display  
8-08

6207 5 lb \$30 This is shattered  
Jade of very good colour  
of the Bridge River. Boulder found when applying creek enters the Bridge  
which is about 12-15 miles upstream from the Frances. (Found by  
Mrs. Dorothy Umpherville's father)  
Umpherville High chrome.

6208-6210

Samples of lead-zinc ore from  
sediments northern Saskatchewan  
Murray Pyke Oct 1967.  
(see Oil week article) - filed Pyke  
in separate file 85J

6208 White quartzite with red sphalerite  
Boulder 6' diameter 4-10%  
combined zinc & lead  
Compulsion River area.

6209 Massive quartzite, somewhat  
argillaceous) Sphalerite, disseminated  
galena, pyrite 6% Pb-Zn combined  
Compulsion River area 57° 30' north  
103° 45' west (if border 102°)

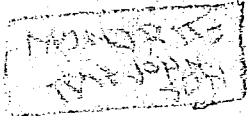
6210 Laminated feldspathic quartzite  
galena and sphalerite 10%  
Compulsion River 9' zone (plus?)  
Falcon bridge option from  
Partridge.

6211 Polished pieces of silver  
from Echo Bay 460 lb slab  
Winnie Robertson Aug 1967

6212 Collinomite Collier Ranch B.C

5-13 Sulphides From Gort  
6213 Mineral Claims  
Stump Lake, Nicola  
Batholith, B.C.: Dan Tidsbury  
Dec 1967

6214 Jade purchased from Larry Owen  
(1) Ogdon Creek off 750 lbs slab 4 1/4 lb piece  
(2) Quartzite Creek off 67 lb slab 7 1/4 lb piece  
(3) Ogdon Creek off 28 lb slab 4 lb piece in 61154-31  
(4) Ogdon Creek off 600 lb slab 13 lb piece in 61154-100  
unlabelled 1120.5g ÷ 454 = 2.5 lb  
said to be from L. Owen in B-51A



6215 UNIMIX QUARRY ; ST HILAIRE ?

6216 NEPHELINE - SODALITE - SYENITE ; ST HILAIRE

6217 ESSERITE ; ST HILAIRE (McGILL PROP)

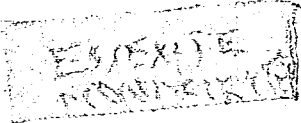
6218 EUDIALITE , UNIMIX QUARRY - ASTERO PHYLLITE ; MT. ST. HILAIRE

6219 MELANITE CARNETS ; TRAPPE ; OKA ; P.Q.

6220 COARSE GRAINE ; ROSEAU HILL LOCALITY ; OKA

6

6222

- 6223 ESSEXITE ; TOP OF MT. JOHNSON . ST HILAIRE
- 6224 ESSEXITE , MT JOHNSON .
- 6225 POLASKITE , MT JOHNSON .
- 6226 CARBONATITE ROCKS ; OKA .
- 6227 HORNFELS , ST HILAIRE (ENTRANCE McILL PROPERTY)
- 6228 FOURCHITE DYKE ; TRAPPE ; OKA
- 6229 FOURCHITE ; CHILL MARGIN ; TRAPPE ; OKA
- 6230  MT. JOHNSON .
- 6231 NIOCALITE ; BOND ZONE ; OKA
- 6232 TAWITE ; ST HILAIRE ; UNIKI QUARRY
- 6233 SILL WITH FOURCHITE DYKE ; TRAPPE ; OKA
- 6234 "OTZITIC" NEPHELITE ; TRAPPE ; OKA
- 6235 TAWITE (FLUORESCENT SOPALITE) UNIKI QUARRY ; ST HILAIRE
- 6236-2<sup>1</sup>- CHAMPONNE DYKE ; ST BRUNO ; PULUDE QUARRY ; PQ
- 6237 ALNÖITE ; BOND ZONE SOUTH .

6238 NIOCHALITE ; BNO ZONE

6239 MONTREALITE  
CLINITE PYROXENITE - 3' SILL ; PULUPE QUARRY

6240 NEPHELINE - SOPALITE - SYLVITE ; ST HILAIRE

6241 Concretion with agate - field cavity.

6242 RHODONITE, SALT SPRING ISLAND, B.C.  
PURCHASED BY R.A. BURWASH, JULY, 1966

6243 TO 6295 - SEE SEPARATE SHEET  
L. CHRISTMAS - R.E. FOLINSBEE, PAGES 348-350

6295a PRECAMBRIAN BASEMENT CORE, MOBIL STEEN  
1-28-122-22 W.S., INTERVAL: 4882-4892 FT.  
FROM D.O. STEWART, FEB. 1968.

6296 R.E. FOLINSBEE AUSTRALIA.

BROKEN HILL, AUSTRALIA.

NORTH BROKEN HILL CONSOLIDATED

6296 Samples From 2600 Level

6297 2600 LEVEL 12 STOPE 130' UP.  
RHODONITE ORE

6298 2600 LEVEL, 10 STOPE, SERICITE SCHIST ENVELOPE

6299 2600 LEVEL, 11 STOPE, CPYR PYRE GR

6300 2600 LEVEL, 12 STOPE, HIGH MIDDLE, RHODONITE FLUORITE

## Specimens from Craigmont Mine, B. C.

348

Collected June 1967 by L. P. Carstnas and R. E. Tolinsbee

Note: number in ( ) refers to those labeled on specimens

- 6243 (C-1) Feldspathic dike, 10300N, 9370E, 3600 elev.
- 6244 (C-2) Chlorite, epidote, garnet skarn; 10330N, 9410E, 3666 elevation.
- 6245 (C-3) Massive magnetite; 10330N, 9400E, 3666 elev.
- 6246 A (C-4) Diorite; 10315N, 9570E, 3666 elev.  
B
- 6247 (C-5) Andesite Hornfels; 9985N, 8560E, 3534 elev.
- 6248 (C-6) Argillite hornfels; 10,010N, 8400E, 3564 elev.
- 6249 (C-7) Skarn with specularite and chalcopyrite; 10,150N, 8370E, 3534 elev.
- 6250 (C-8) Feldspathic dike; 10,140N, 8320E, 3534 elev.
- 6251 (C-9) Chlorite hornfels; 10210N, 8480E, 3468 elev.
- 6252 (C-10) Andesite(Kingsvale Group); 9480N, 8130E, 4062 elev.
- 6253 (C-11) Hornblende basalt(Kingsvale Group); 9480N 8130 E, 4062 elev.
- 6254 (C-12) Diorite; 3060 elev. at shaft #2
- 6255 (C-13) Marble with minor skarn minerals; 3060 elev. at shaft #2.
- 6256 (C-14) Actinolite, epidote, chlorite skarn; 30-783 Service drift east.
- 6257 (C-15) Massive specularite; 30-783 Service drift east.
- 6258 (C-16) Chalcopyrite and skarn minerals; 30-783 Service drift east.
- 6259 (C-17) Feldspathic dike; 3590 elev at 771 Ore pass
- 6260 (C-18) Diorite? highly altered; 3590 elev at foot of 3620 ramp.
- 6261 (C-19) Massive magnetite and specularite; 3464 elev. in Haulage drift #1.
- 6262 (C-20) Hornfelsed quartzofeldspathic sandstone; 3465-3537 heap south of Shaft #1.

- 6263 (C-21) Hornfels wacke; 34-751 Access drift.
- 6264 (C-22) Chalcopyrite, quartz skarn and calcite; 2852 elevation ~~221~~ 821 Crosscut north.
- 6265 (C-23) Magnetite skarn; 2852 elevation 821 Crosscut north.
- 6266 (C-24) Hornblende diorite; 2852 elev. at shaft #2.
- 6267 (C-25) Hornblende diorite; 2852 elev at shaft #2.
- 6268 (C-26) Andesite; On Spences Bridge road 7/10 of a mile west of the Craigmont road turnoff.
- 6269 (C-27) Volcanic breccia from Diamond drill hole # S-61.
- 6270 (C-28) Porphyritic andesite; from Craigmont surface diamond drilling.
- 6271 (C-29) Massive magnetite with K-spar; from 3500 elev. Specimen was collected by Rennie in 1961 and an K\*Ar age determination was made on it. (AK-209)
- 6272 (C-30) Pure marble; 10430N, 7400E, 3070 elev.
- 6273 (C-31) Marble with some skarn minerals; 10390N, 7470E 3065 elev.
- 
- 6274 (C-32) Powdered limestone taken from outside the brachial valve of a *Linoproductus cora* (d'Orb) Permian from the fossil collection of P. S. Warren at the Univ of Alberta.
- 6275 (C-33) 10,625N 7,385E 3533 elev. Recrystallized limestone
- 6276 (C-34) Limestone; 10,080N 7,550E 3560 elev.
- 6277 (C-35) Calcite veinlet; 10,175N 8720 E 3390 Elev.
- 6278 (C-36) Calcite veinlet; 10252N 8800E 3390 elev.
- 6279 (C-37) Impure black limestone: 9300N 700E 5165 elev.
- 6280 (C-38) Recrystallized limestone; 7500N 2400E 5265 elev
- 6281 (C-39) Limestone skarn; 10970N 2540E 4550 elev.
- 6282 (C-40) Long calcite veinlet hydrothermal 11520N 2440 E 2630 elev.

- 6283 (C-41) Partly recrystallized limestone; 9200N 210E  
4525 elev.
- 6284 (C-42) Limestone skarn; 10168N 6865E 3068 elev.
- 6285 (C-43) Limestone skarn; 10224N 6857E 3070 elev.
- 6286 (C-44) Limestone breccia cemented with a remobilized  
calcite; 10284N 6851E 3072 elev.
- 6287 (C-45) Limestone skarn; 10317N 6843E 3074 elev.
- 6288 (C-46) Limestone skarn; 10215N 7460 E 3015elev.
- 6289 (C-47) Limestone skarn; 10270N 7452E 2985 elev.
- 6290 (C-48) Limestone skarn; 10300N 7447 E 2965 elev.
- 6291 (C-49) Limestone skarn; 10325N 7444E 2950 elev.
- 6292 (C-50) Relatively unaltered limestone; 10355N  
7440E 2935 elev.
- 6293 (C-51) Limestone skarn; 10105N 7478E 3082 elev.
- 6294 (C-52) Relatively unaltered limestone; 9785N 7535E 3347 elev
- 6295 (C-53) Calcite veinlet; 10515N 7406E 3674 elev.

'Note' the number in the brackets refers to those labeled on  
the specimens.

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- 6296
- 6297
- 6298
- 6299
- 6300
- 6301 2600 level, 12 stope, 130' up, fluorite
- 6302 2600 level, 10 stope, high grade +Rhop ore
- 6303 2600 level, 10 stope, dolerite dyke, 2'
- 6304 2600 level, 11 stope, garnet ss low grade
- 6305 26
- 6306 North mine, DDH 4617, 1011, sill gneiss
- 6307 hole, 3090, BH north, 990', PYRR CPYR SL, to. ga in qtz. lode
- 6308 South mine, 58N 3E, Blag Main shaft ore O.C.
- 6309 Rising sun north shaft, gahnite in 'ore' lode zone, 10% gahnite, (20% 2n)
- 6310 Pinnacles Mine, 180' level, Pb ore
- 6311 15 level, "PEG", A-B, lode, Sep, orth rich
- 6312 Blode, 15 level, 7N Stope, calcite, OT2, SL
- 6313 26
- 6314 Footwall, Blode, 15 level, Vein SEO XGN
- 6315 1500 lev, xc, at SEL, 72, qtzite
- 6316 1500 level, Blode SL, Drift
- 6317 15 level, 711' Stope, Blode
- 6318 Sill Gneiss, 2100 level, 17 x C
- 6319 Garnet Rim, 2100 level, W side, 17 W
- 6320 15 level, SL. Band, RGE 3, ST 8 5
- 6321 15 L, Footwall, A Lode, xc, Sect 68
- 6322 North leases, 400' NE, Poto S1 shaft, pygmaijic folds in non-garnet-iferouj potosi
- 6323 White loads DDH #2200'  
159 - Silliman l to Gneiss  
186 - Amphibolite (upper)
- 6324 Fresh sample from airway (+ 120') upper granite gneiss, west near #3 of airway NBHC
- 6325 Polerite 'Dylce', Wentworth Rd., 100 yds. Hwy.
- 6326 Basic iron FM ENE, Brown Shaft, 150 yds. Hwy.
- 6327 Lower granite gneiss Bi  
Hb phases Potosi
- 6328 Pinnacle Blue Qtz, Gahnite, Lope surface
- 6329 North leases, Siller Peak Mine



## COBAR

- 6331 'A' zone, 1800', Pb-Zn  
 6332 1800', "C", pyrr & carb.  
 6333 CSA, 1100, Cu-Zn-Pb-Pyrr  
 6334 Middle pinnacle, qtz - mag- HC CSA 1100 #2 Pb-Zn  
 6335  
 6336 "A", 1800', Carb  
 6337 1200', Western, Pyrr-cpyr, copper - Zn  
 6338 "A" zone, 1800', High Cu  
 6339 Qtz-Carb, W12 & BXC, western ore  
 6340 1800', Ser.Dr. Marker qtz.  
 6341 1800' Serv Dr., Arcillite  
 6342 1200, Western ore

## KAMBALDA, W.A.

- 6343 Moorine Rock W.A.  
 6344 Kambalda pillow. Basalt ore in intersections  
 6345 Kambalda Diss. ore, 410A Stope  
 6346 Kambalda BX zone, serpentinite  
 6347 66% Sulf. main ore  
 6348 400 level, violarite rich near II  
 6349 Var, pillow basalt, Gordon Kanowing Rd. at lake  
 6350 S. Kal, main, NXC, 200' (Lakeview Lodge). II. (Red and bleached albitic porphyry)  
 6351  
 6352 Kambalda pillow basalt  
 6353 Kambalda main banded. 8% Ni Main banded ore  
 6354 Kanowna-Bulonc. old acid volcanics Kalgoorlic

## KALGOORLIE W.A.

- 6355 3 level, 345 stope, perseverance, qtz. gash vein, cpyr  
 6356 242 St. pryor x lode, 200' + 40'  
 6357 332 Barwkr, x way, 15 - 200', high grade ore, 10 plwt, perseverance shaft.  
 (see 6360)

GOSSAN ZONE,  
E. of KALGOORLIE

- 6358
- 6359
- 6360 Dolerite, 2 level, main W, XC, S. Kal. Lakeview/Brinsden Lodes
- 6361 Gov Dam, Kanawna, Agg & Seds Tuff (Lower acid seq.)
- 6362 Mundaring Quarry, 6' Dolerite
- 6363 Glen Forest Duricrust
- 6364 Mundaring Granite Quarry Broken Hill (cont.)
- 6365 Pinnacles Mine, 180' Level
- 6366 Thacaringa ore, Thac. Shaft near Hwy.
- 6367 SBHC Rd. cut, Menkidee Rd. E. Thompson Shaft. potosi, granite, goveiss.
- 6368 2100 lev, x 51 (Twin)  
21 - 22 W XC
- 6369 Thacaringa ore. Thac. Shaft Dump near Hwy.
- 6370 Pyritic alpite, 100 yd. S. Pinnacle Shaft
- 6371 1500 level, XC at sec 72 Retro grade "pef", sericite rich footwal. of bcode
- 6372 Stirling vale granite
- 6373 sill and garness stavl, Thac. Hills TU Tower. Mawby & Fischer (SIR) Quarrie.
- 6374 Himalaya Proupect, SHBC incators gahnite iron copper iron from pyrite

MOONT TOM PRICE

- 6375 1' shale, central zone
- 6376 lump
- 6377 Axis 290° plunge 5° NW. Bif. S. Central
- 6378
- 6379
- 6380 DDH 1967L and DDH 1967-6
- 6381 SPPE
- 6382 Footwall shale, central ore zone. varved or laminated shave 6' THICIC ±
- 6383 Lam. 11.G
- 6384 Goethite
- 6385 Sugary
- 6386 Laminated footwall shale
- 6387 Bif in sandle
- 6388 DDH 1967-6, 309'  
Dolerite 309, 282', 350'

- 6389 Wittenoorn, Dolomite  
 6390 Qtz. xtals in gash veins Bif az 265° Dip 73° N  
 6391 B.I.F.  
 6392 DDH 1967-6, 470' - 2, pyr in shale Baje ore  
 6393 2 varieties chrysoprase  
 6394 15 mi. Mt. Brockman. Crocidolite (Wittenoorn), Tiger's Eye, Malachite, Chrysoprase  
 6395 South Broken Hill. Old Bup Workings Cerrusite etc.  
 6396  
 6397 Beehive Prospect. pyritic aplite  
 6398 Banded iron Fm (B.I.B.). Wentworth Rd. (Hwy. 79)  
 6399 Amphibolite, Wentworth Rd. Hwy 79  
 6400 NBHC Footwall oval, potosi gneiss  
 6401 outcrop near N.Z.C. old shaft zinc lode OC - CD  
 6402 British Shear Rwy. Cadmium  
 6403 Thompson Shaft FD (Green) not in place  
 6404 Thac "Hills" peg BE, musc  
 6405 S.B.H. black wood shaft pb carbon etc.

## MT. NEWMAN

- 6406 2400 bench. ore variants, (mostly  $\text{Fe}_2\text{O}_3$ )  
 6407 BIF. 2500 bench  
 6408 o/c visitor's ridge massive Hem OC

## MT. GOLDWORTHY PILBARA

- 6409 Quarry #1 18 miles' 5 pt Hodland. Pilbara Musc - tour granite, used for railway ballast, Mt. Newman

## MT GOLDSWORTHY

- 6410 Mt. Goldworthy near #5 ore body. BX qtz.  
 6411 S wall #1 ore body Jaspilite 40% IFe varved.  
 6412 #1 ore HG  
 6413 near #5 ore body. Jaspilite  
 6414  
 6415

## AUSTRALITES, and AUSTRALIA

6416 Tertites (Australites), Stan Bridge

MAN. KALGOORLIE, AUSTRALIA  
WILUNA METEORITE

6417

## MOUNT ISA

6418 Fol. V22E Pec No. 2 11 level

6419 Fol. FW 68 Dec #2 15 L

6420 B Level: SMB

6421 Fol. 1W4 S

6422 13 Level 8 ore body. S1 Gal pyrr

6423 XFB Rwy/ice Wks

6424 13 level 500 ore body. Copper ore 3%  $\pm$  shale frags

6425 Min Dam

6426 13 level, 650 ore body. 4' Massive gypr

6427 13 level, 8 ore body. Galena (Ag rich)

6428 Min Dam

6429 13 level, #8 ore body

6430 Min Dam

6431

6432 Near 11 ore body, 13 elev.

6433

6434

6435

6435

6436

6437 #2

6438 #3

6439 #4

6440 #6

6441 7A and 7B

6442 #9

6443 #10

6444 #11

6445 #14

6446 #15

6447 #16

6448 #18

MARY KATHLEEN

6449 Uranium calcite

6450

6451

6452

6453

McARTHUR RIVER

6454 200' xc

6455

6456

6457

MT. MORGAN, QNSLD.

6458 #1

6459 #2

6460 #3

6461 #4

6462 #5

6463 #6

6464 #7

6465 #8

6466 #9

6467 #10

6468 #11

6469 #12

6470 #13

6471 #15

6472 #16

6473 #17

6474 #19

6475 #20

6476 #21

6477 #22

6478

- 6479 UA Tahaungtsui, Peitou, Miocenes with springs  
 6480 Roemerite (Hyd F<sub>6</sub>SO<sub>4</sub>) Peitou, 99°C  
 6481 Chiku Mine (pyrite)  
 6482 SZE, 2 pyr and  
 6483 Kengtzeping S in layers  
 6484 Sulphur fumerole, peitou  
 6485  
 6486  
 6487  
 6488  
 6489  
 6490  
 6491 Halotrichite peitou  
 6492  
 6493  
 6494

## TAROKO GORGE, Taiwan

- 6495  
 6496  
 6497

## CHINKUASHIN MINE, Taiwan

- 6498 # 1 vein pyrite  
 6499 #1 vein  
 6500 Layer veins pyritized alternation  
 6501 Au bearing Bx pipe  
 6502 T. Chinkuashin Panshan (A1 men) dacite body  
 6503 pyrite #2 vein, CO 182 8 level  
 6504 #1  
 6505  
 6506  
 6507 T2  
 6508  
 6509  
 6510  
 6511 Altered dacite body

- 6512 Yowger somma lavas 195° K 63% SiO<sub>2</sub>
- 6513 Dacite pumice from pumice flow (Augite bearing) 3 flour wear  
Haicawe ash laife
- 6514 Last Baje Old Somma Lavas "Basalt"
- 6515 aug hyc awd central hwy. to hotel
- 6516 Scorlacoods andirite  
Avalanche  
Lake Volcano (Augite)  
Hyporsthans
- 6517 Andesite from  
near mud flow Hakone central cone
- 6518 Hypersthene augite andesite
- 6519 Dacitic andesite. Old Somma flow rocks. Hakone (hwy fr  
pigeonite
- 6520 - 1 to - 14 Nubrigyn algal reef (L. Dev.) near Stuart Town, N.S.W., Australia  
Coll. J. F. Lerbekmo 1967
- 6521 Tolga Ls. (L. Dev.) Coll. J. F. Lerbekmo 1967
- 6522 - 1 to - 3 Cavan Bluff Ls (Stromatolitic?) (Dev.) near Taemas, N.S.W., Australia  
Coll. J. F. Lerbekmo 1967
- 6523 - 1 to - 4 Old Red Sandstone (Dev.) Wilderness Quarry, near Micheldean, Wales  
Coll. J. F. Lerbekmo 1967
- 6524 - 1, 2 "Millstone Grit" (Grindslow shale or shale grit unit) (carboniferous),  
Peak district National Park, near Sheffield, England. Coll. J. F. Lerbekmo,  
1967
- 6525 - 1 to - 6 Ordovician Limestone (Algal Encrusted Calcirudite) near Orange,  
N.S.W., Australia. Coll. J. F. Lerbekmo, 1967
- 6526 - 1, 2 Taemas (Dev) Ls (Algal Encrusted Biclasic Ls) near Taemas, N.S.W.,  
Australia Coll. J. F. Lerbekmo 1967
- 6527 Argillite W/Qtz. veins, Barkerville, B.C. C. R. Stelck, Aug. 1968
- 6528 Pyritic Quartzite W/Au-Bearing Qtz. veins, Barkerville, B.C.  
C. R. Stelck, Aug. 1968
- 6529 Phyllite, pyritic. Wells, B.C. Cariboo Gold-Qtz. Mine, C. R. Stelck  
Aug., 1968
- 6530 Phyllite. Ligh buff. Barkerville, B.C. C. R. Stelck, Aug. 1968
- 6531 Vein quartz W/pyrite. Barkerville, B.C. F. Stelck, Aug. 1968
- 6532 Wingdom Mine, Barkerville Area, B.C. C. R. Stelck, Aug. 1968
- 6533 Wingdam Mine, Barkerville Area, B.C. C. R. Stelck, Aug. 1968
- 6534 (3 specimens). Bedrock at Wingdam Mine, on Lightning Creek, 1/2 way  
between Quesnel and Barkerville, B.C. from shaft excavations at mine.  
C. R. Stelck, Aug. 1968. Shaft had been sunk to bedrock, but the gold  
was recovered from gravels above bedrock.
- 6535 Folded phyllite, pyritic. Barkerville, B.C. C. R. Stelck, Aug. 1968.
- 6536 Kyanite - rich pegmatite from vicinity of Mica Creek Dam.  
Donated by Rycroft's Rock and Jade Handicraft Ltd., Jasper, Alta.  
R. A. Burwash, June 1967

- 6537 Phyllitic schist crumpled. Loc: - Rancheria, mile 710 Alaska Hwy.  
Coll: Stewart Jackson, 1967
- 6538 Epidote in vein, Piercement dome in Richardson Mts., N.W.T., on river west of Mt. Gifford. Overlain by mesozoic (see Arctic Symposium, P.E. Kent)  
Coll: Bruce Cameron, 1959, B. P. Field Party
- 6539 Wards No. 78
- 6540 Vein qtz., showing radiating rosettes of crystals. Loc. ? collector ?
- 6541 Kyanite, from creek flowing west into Thompson River, between Paradise and Serpentine Creek. Approx. 4 miles south of Lempriere, B.C.  
Ton Rich, Nov. 1966
- 6542 Jade, from north of Manson Creek, Omineca District, B.C.  
Slab donated by P. E. Page, 1968.
- 6543 Hornblende - Plagioclase Rock (cf. sample coll. by Stan Thomson)  
Terminus of Bighorn Glacier, south of Burwash Landing, Yukon Territory.  
Coll: Don Currie, 1967.
- 6544 Hornblende - Plagioclase Rock. Terminal moraine of Bighorn Glacier, 15 - 20 miles S. of Burwash Landing, Kluane Lake, Yukon Terr.  
Coll: Stan Thomson (Civil Engineering)
- 6545 Eclogite, from Kimberlite pipe. Wesselton Mine, Kimberley, Cape Province, South Africa  
Coll: D. L. Jones 15/2/66  
Lat. 28° 43' S  
Long. 24° 48' E  
*sliving 30%  
garnet 5%  
chrom diopside 2-5  
opx 60%*
- 6546 Perlite, north of Francois Lake, near Burns Lake, B.C. Quarried for wallboard filler by Calgary firm.  
Coll: R. A. Burwash, May 1957
- 6547 Molybdenite from Prospect and Porcher Is., Prince Rupert Dist., B.C.  
Five Star Petroleums Ltd.  
Coll: P. E. Page
- 6548 Tourmaline Qtz. - Plagioclase Hornfels. Loc. Unknown
- 6549 Porphyroblastic Hornblende Gneiss. Glacial Boulder showing rough pitted weathering
- 6550 Beach sand "Garnet Beach", Cold Lake, Alta.  
Coll: Mr. G. Carmichael, Box 1938, RCAF, Cold Lake, Alta.
- 6551 Tuff bed W/ Fossil plants. L.S.D. 10-6-63-2 W6 on Forestry Road 1/2 mile S. of Smokey Fire Tower.  
D. A. Taylor, 1967
- 6552 Vesicular Basalt, Simiakameen River (after Princeton before Penticton)  
Boulder 15 pounds.  
Robt. Schewchuk 6410 - 90 Ave., #15
- 6553 Amygdaloidal Basalt (possibly spilitic) Halls Bay (Springdale Nfld.)  
J. Kelly, Sept. 1959.
- 6554 Tertiary Dyke, Sweetgrass Butte, Alta., M. Tomlinson, 1956.
- 6555 Basaltic Rocks, "Craters of the Moon", Idaho
- 6556 Tertiary Dyke, Sweetgrass Butte Area of southern Alta.



- 6557 Dacite (?) Boulder from gravel along Fraser River, west of Williams Lake, B.C. Origin: - Miocene-Pliocene Volcanics, L. V. Hills, 1965
- 6558 Volcanic Breccia, Princeton Group  
Hope - Princeton Hwy., R.A.B. - 68 Ap 25-3  
G.A.C. trip, April 1968, mile 66.3
- 6559 Arkose Pasayten Group  
Hope - Princeton Hwy. R.A.B.-68 Ap 25-2  
G.A.C. field trip, April 1968, mile 50 ± *pg 44 of guidebook*  
*Hope to Princeton Hwy*  
*Hope = mile 0*
- 6560 Argillite, with axinite in veinsm Dewdney Creek Group, Upper Jurassic - Lower Cretaceous  
G.A.C. field trip 1968, mile 25.2, R.A.B.-65 Ap 25-1
- 6561 Olivine basalt. Float sample at Napier Lake, B.C. Mile 95, G.A.C. 1968 field trip. R.A.B.-68 Ap 26-2
- 6562 Chlorite Schist and epidotized tuff. Nicola Group, Upper Triassic north of Merritt, B.C. R.A.B.-68. Ap 26-1.  
G.A.C. field trip, April 1968, mile 68
- 6563 Andesite (?) and assoc. sediments. Nicola Group. G.A.C. field trip, April 1968, Kamloops to Cache Creek, mile 23.8. R.A.B.-68 Ap. 26-3
- 6564 Fusilinid Limestone. Cache Creek Group, mile 25, G.A.C. trip, April 1968. Cache Creek - Hope, B.C. Crown Lake Campsite  
R.A.B. - 68, Ap. 26-5
- 6565 Lithic arenite. Early tertiary, non-marine. G.A.C. field trip, April 1968 Cache Creek - Hope, Mile 14.8  
R.A.B. - 68, Ap. 26-4.
- 6566 Gneiss, well banded to weakly banded Fraser River Canyon, N. of Hope, B.C. R.A.B. - 68, Ap. 27-2.
- 6567 Serpentine, Fraser River Canyon, N. of Hope. R.A.B. - 68, Ap. 27-1
- 6568 Peace River Meteorite, west of Brownvale R.E.F. and L.A.B. - 67 July Wt. 2197 gm.
- 6569 Peace River Meteorite, Wt. 1230 gm., west of Brownvale, R.E.F. and L.A.B. - 66 Oct. 4. *LoA, Bayrock*
- 6570
- 6571 Cullen Granite, 1760 m.y., Katherine - Darwin Region, Northern Territory, Australia
- 6572
- 6573 Andesite sill
- 6574 Basalt, chloritized; contains calcite blebs and stringers and v. rare gold stringers. Loc: Emperor Gold Mine, Fiji. R.E.F. 1964
- 6575 Stannern Meteorite, off B.M. 34374. Wt. 44 gm. Encrite. From the Mineral Department, British Museum, 1967
- 6576 Narraburra Meteorite, Weight: 8 grams. Finest octahedrite. Loc: B.M. 1927, 1267, Great Britain. From the mineral Department, British Museum, 1967
- 6577 Kelly Meteorite, Wt. 56.4 grams. Loc: B.M. 1938, 1206, Great Britain Olivine-hypersthene chordite amphibole. From the Mineral Dept., British Museum, 1967

- 6578 Lake Labyrinth Meteorite, off B.M. 1935-28, Great Britain Wt. 465 gm. Olivine-Hypersthene chondrite - ampholenite. From the mineral dept., British Museum, 1967.
- 6579 Coya Norte Meteorite, contains hexahedrite Weight - 158 gm. Loc: 1959, 917, Great Britain. From the Mineral Department, British Museum, 1967.
- 6580 Vaca Muerta Meteorite. Contains mesosidenite, Wt: 545 gm. Loc: B.M. 46200, Great Britain. From the Mineral Department, British Museum, 1967
- 6581 Monahans Meteorite. Contains nickel-rich ataxite, Weight: 267 gms. Loc: B.M. 1959, 910, Great Britain. From the Mineral Department, British Museum, 1967.
- 6582 Pinon Meteorite. Contains nickel-rich ataxite. Wt. 80 gm. Loc: off B.M. 1959, 911, Great Britain. From the Mineral Dept., British Museum, 1967
- 6583 *Canyon Diablo meteorite*
- 6584 Melted granite (glass) - formed by lightning striking a power trans. line near Kenora, Ont.  
H.D.B. Wilson, University of Manitoba
- 6585 ←
- 6586 Vulcan Meteorite slice and K <sup>6585</sup> Mockup  
H. Taylor, Toronto
- 6587 Canyon Diablo Meteorite (Specimen from Nininger)
- 6588 Lava flow from edge of airport, Kona coast, near Kona Inn, Hawaii, U.S. R.E.F. '66 Aug.
- 6589 ✓ Artifact from nephrite boulders. Same locality as other cache 10 miles down stream from Prince George. Surface is as picked up indicates Indian work by mud saw or boulder. W.R. (3 samples) *in GH 54-29*
- 6590 ✓ Said to be mutton fat jade, but is not nephrite. Lilloet area, B.C. W.R. '66, Nov. *in GH 54-29*
- 6591 ✓ Jade from boulder (250 pounds) on creek in northern B.C. (near Cassiar) Veins of jade in mountina -- pebbles. E.Z.S., J.E. *in GH 54-29*
- 6592 Quartz, bornite and malachite. From Calder River area. Donated by Northwest Exploration. R.E.F. '68
- 6593 Gossan zone in volcanic tufts. Contains minor sulfides. Location: 90 ft. west of 2 vein trench, Echo Bay
- 6594 Gossan zone in volcanic tufts. Contains some sulfides. Location: No. 1 vein trench, Echo Bay
- 6595 Gossan zone with pyrolusite and some gypsum in volcanic tufts. Loc: From width 10' to 20', No. 1 vein, Echo Bay
- 6596 Weathered volcanic tufts with minor sulfides. Loc: 65 ft. east of #2 vein Trench, Echo Bay, N.W.T.
- 6597 Fractured volcanic tuft with minor sulfides. Loc: 20 ft. east, 2 Vein Trench, Echo Bay, N.W.T.

- 6598 Volcanic tuft with pyrolusite from fracture zone, location: Trench 203A, west wall, Echo Bay, N.W.T.
- 6599 Volcanic tuft with sulfides. Location: 20 ft. west of No. 2 Vein Trench, Echo Bay, N.W.T.
- 6600 Volcanic tuft containing minor sulfides. Loc: 190 ft. west of #2 vein trench, near #4 vein. Echo Bay, N.W.T.
- 6601 Volcanic tuft, badly weathered containing minor sulfides. Location: west wall of #2 vein trench, Echo Bay, N.W.T.
- 6602 Weathered volcanic tuft. Loc: 120 ft. east of #2 vein trench near #3 vein, Echo Bay, N.W.T.
- 6603 Volcanic tuft with Gossan and pyrolusite. Loc: 40 ft. west of 2 vein trench. Echo Bay, N.W.T.
- 6604 Calcite Crystal, from cavity on side of open pit, Pine Point. R.E.F. '66 June.
- 6605 Mountain Leather from the Grandview Mine, Metalline Falls, Washington State, U.S.A. Donated by Cominco. R.E.F. from J.W.R. 1968
- 6606 Nickel copper ore from open pit (Clarabelle Mine, Sudbury 3% Ni 10% Cu ? R.E.F. from A.P.L. 1966, May
- 6607 Amethyst quartz crystals from Lake Superior R.F.N. 1964
- 6608 Serpentine from Rae River, Richardson and Rae Report. Jade, Coronation Gulf. W.R.
- 6609 Lead-zinc ore from 7 miles west of Nordegg. One chunk about 1/2 pound.
- 6610 Amotape Mountains granite (intrusive into Pennsylvanian sediments). Amotape Mountains, N.W. Peru. H.N.R. 1966, June 22.
- 6611 River pebble from Highwood Ranger Station -- in area of Miss. G.N. 1964 June
- 6612 Cristobalite bearing basalt. From Mount Matthew.
- 6613 Quartz crystals. treated with sulfamic acid. Ray Rock. W.R. 1964
- 6614 Ground dinosaur bone from Lanc, immediately above Kneehills, Scollard . R.E.F. 1964
- 6615 Rose Rock, Permian, Oklahoma. 7 miles east of Norman. T.C.
- 6616 Cinnibar
- 6617 Quartz crystals from Ray rock. E.S. 1964
- 6618 Bryozoan found at Highwood River at Ranger Station. G.N.
- in rmt 106555 6619 Gypsum - Gessoso - Solfifera Fm. (Mio.) Senio Valley (near Bologna) Italy  
EAS 231-LAB 1 (-3) Coll: J. F. Lerbekmo 1968
- 6620 Gypsum crystal (same loc. as 6619)
- in 106 ESB 6621 Turbidite, pietraforte Fm., Florence, Italy Coll: J. F. Lerbekmo, 1968
- 6622 Turbidite ss, Macigno Fm (Oligo.) Top of graded 'A' interval shown in photograph Coll: J. F. Lerbekmo 1968
- 6623 Carbonate turbidite, alberese Fm. near Florence, Italy  
a - dark, coarser, base  
b - lighter, finer, top Coll: J. F. Lerbekmo 1968
- 6624 Coarse siliceous turbidite interbedded with 6623 type same loc. as 6623

- 6625 'B' interval of complete turbidite, Marnosa arenacea Fm., Senio Valley near Bologna, Italy (see photo ) Coll: J. F. Lerbekmo, 1968
- 6626 Graded 'A' interval, turbidite, Marnosa Arenacea Fm (Mio.). Same loc. as 6625 Coll: J. F. Lerbekmo 1968
- 6627 Graded carbonate turbidite, Vallcargó Fm. (Creta) near Pobla de Segur, S. Pyrenees, Spain, Coll: J. F. Lerbekmo, 1968
- 6628 " " " " " " " "
- 6629 " " " " " " " "
- in 85B106 ✓6630 " " " " " " " "
- 6631 Sole markings, turbidite, Vallcargó Fm. (same loc. as 6627-30) Coll: J. F. Lerbekmo, 1968
- 6632 Chara-rich fresh water Ls., Eocene, (same loc. as 6627). Coll: J. F. Lerbekmo 1968
- 6633 Fluvial calcarenite, Eocene (Rodam?) west of Pobla De Segur, S. Pyrenees, Spain.
- 6634 " " " " " " " "
- in 85B106 ✓6635 Carbonate turbidite, Vallcargó Fm, (Creta) near Pobla De Segur, S. Pyrenees, Spain Coll: J. F. Lerbekmo, 1968
- in 85B106 ✓6636 Beach Rock, Great Barrier Reef, Australia. Coll: J. F. Lerbekmo, 1967
- 6637 Manson Cr., B.C. Coll: T. Rich
- 6638 Cariboo Cr., B.C. Coll: T. Rich
- 6639 Meteorite, 4 samples
- 6640 Impactite Meteorite from Henbury, Australia
- 6641 From Richardton, North Dakota, 53.5 grams.
- 6642 Angelica meteorite. 14.942 grams
- 6643 Rose Rock Permian Oklahoma Pres. by Mr. T. Coleman
- 6644 from Big Ben Sept. 66 201 field trip.
- 6645
- 6646
- 6647 Quartz crystals
- 6648
- 6649 Peat (Recent) from Swan River, mouth of Lylick Creek.
- 6650 Mammoth tusk from Clover Bar
- 6651 Jade from Jackass Mtn. on Highway 1, Fraser Canyon.
- 6652 Horse ? Tooth from gravels west of Whitemud Creek.
- in 85B3-16 ✓6653 Bituminous shale from Alberta Mines, New Brunswick  
used by HGM for Geol 424

- 6654 Fragment of *Phinoceras* tooth from Wood Mtn. gravels, Rockglen, Sask.  
Folinsbee family
- 6655 *Merychippus* incisor, Miocene. Wood Mtn. gravels, Rockglen Sask.  
Folinsbee family, 1960
- 6656 *Merycodus* jaw fragment. Miocene. Rockglen, Sask. Caty Folinsbee, 1959
- 6657 *Merychippus*, Rt. upper 4th premolar. Miocene Rockglen, Sask.  
Folinsbee Family, 1959
- 6658 Jamesonite. B.C. via Norm Edgar.
- 6659 Irish Peat  
A. Jackson, 1933
- in ESB 3-16  
used by HGM in Geol 424 ✓6660 Bituminous shale near Albert Mines, New Brunswick
- 6661 Late Pre-Cambrian algae
- 6662
- 6663 Manicouagan, Maskolyrite  
Samples from Sardinia R.E.F. July-Aug. 1968
- 6664 Monteponi blende bearing limestone.
- 6665 Oxide ore of anglesite and cerussite. From an open pit mine.
- 6666
- 6667
- 6668 Galena
- 6669 Massive Galena. From San Antonio vein
- 6670 Sphalerite in
- 6671 Quartz, chalcopryrite, sphalerite and galena.
- 6672 Sphalerite with a schist inclusion.
- 6673
- 6674 Limestone pinnacle below the ore with quartz above, from the Arenas open  
pit. REF - 1968
- 6675 Garnetite with  $PbCO_3$  ore. From Arenas open pit mine. REF - 1968.
- 6676
- 6677 Pyrite, sphalerite, galena, TR. Chalcopyrite. Correboi. REF - 1968
- 6678 Lead-zinc with pyrite in skarn. Monte Tamara. REF - 1968
- 6679 Stratified ore containing sulfides. Correbora lower. REF - 1968
- 6680 Pyrite, sphalerite, barite to black dolomite (Barren).
- 6681 Massive pyrite from Campo Pisano
- 6682 Skarn containing secondary copper from San Michele de Teolado.
- 6683 Skarn containing Pb and Zn and traces of hematite and pyrite. From Siderio  
Boi Property. REF - 1968.

6684

- 6685 Arcilaceous tuffide from Camp Pisano. REF - 1968  
 6686 Barite in massive ore from Campo Pisano. REF - 1968  
 6687

- 6688 Massive vein type galena. From Monteponi, St. Barb Stope. REF - 1968.  
 6689 Massive ore from footwall, Campo Pisano REF - 1968  
 6690 Calcite in UUG from oxide zone. From Monteponi. REF - 1968  
 6691 Blendiferous limestone from the Monteponi stope. REF - 1968  
 6692 Banded barite (karst) plus galena from Monte Barega.  
 6693 Galena and barite. REF - 1968  
 6694

- 6695 Barite vein from Monte Barega vein. REF - 1968  
 6696 Barite crystals from Monte Barego. REF - 1968  
 6697 20% Barite in permo-triassic. REF - 1968  
 6698 Limestone from Monte Barega.  
 6699 Massive pyrite and sphalerite ore. Campo Pisano. REF - 1968

Jade from Mrs. Winnie Robertson from O'Neil Creek,  
 Middle River, Omeneca Mts., B.C.

- 6700 Dark jade from mine area. 3,000 lb. O'Neil Creek, Middle River,  
 Omeneca Mts., B.C. Coll: WR/Dec. 1968 *in G.H. cap 54 drawer? lower right*
- 6701 Jade from mine area. 800 lb. #4 sample. From O'Neil creek, Middle  
 River, Omeneca Mts., B.C. Coll: WR/Dec. 1968 *in 54-32*
- 6702 Coarsely disseminated jade from O'Neil Creek, Middle River, Omeneca  
 Mts., B.C. Coll: Mrs. W.R./Dec. 1968 *in 54-49*
- 6703 Jade from O'Neil Creek, Middle River, Omeneca Mts. Coll: WR/Dec. 1968  
*in 54-49*
- 6704 Traces of jade in coarsely crystalline quartz bleb, from Omeneca Mts., B.C.  
 WR/Dec. 1968
- 6705 Dark jade from mine area. O'Neil Creek, Omeneca Mts., B.C.  
 WR/Dec. 1968
- 6706 Jade core from O'Neil Creek, Omeneca Mts., B.C. Coll: WR/Dec. 1968
- 6707 Jade core from 4-4-40 mine area. O'Neil Creek, Omeneca Mts., B.C.  
 Coll: WR/Dec. 1968
- 6708 Jade, drill core from mine area. O'Neil Creek, Middle river, Omeneca Mts.,  
 B.C. Coll: WR/Dec. 1968

- 6709 White jade from O'Neil Creek, Middle River, Omeneca Mts., B.C.  
Coll: WR/Dec. 1968 *in 54-29*
- 6710 ✓ Jade from 7500 lb. boulder sprangle. O'Neil Creek, Omeneca Mts.,  
B.C. Coll: WR/Dec. 1968 *in 54-49*
- 6711 ✓ Jade from spinner 1200 lb. near waterfall, Omeneca Mts., B.C.  
Coll: WR/Dec. 1968 *in 54-49*
- 6712 Jade knobs in place from O'Neil Creek, Omeneca Mts., B.C.  
Coll: WR/Dec. 1968 *in 54 54, bottom right*
- 6713 Jade in core from O'Neil Creek, Middle River, Omeneca Mts., B.C.  
Coll: WR/Dec. 1968
- 6714 Jade from #14 hole at 600'. Omeneca jade from O'Neil Creek, B.C.  
Coll: WR/Dec. 1968
- 6715 Jade in core from #16H - 3200. O'Neil Creek, Middle River, Omeneca  
Mts., B.C. Coll: WR/1968
- 6716 Jade. #12H - 750' same as above.
- 6717 Jade in core from #3 (on hill) Omeneca jade, WR/1968
- 6718 Jade from 4 - 5 - 600, Omeneca jade, WR/1968
- 6719 Omeneca jade from #10H - 800. Omeneca Mts., B.C. WR/1968
- 6720 Omeneca jade from #6 (on hill) O'Neil Creek, Omeneca Mts., B.C.  
Coll: WR/Dec. 1968
- 6721 Dark green jade from 4-3-2000. O'Neil Creek, Omeneca Mts., B.C.  
Coll: WR/Dec. 1968
- 6722 Dark green jade from 4 - 1 - 2000. O'Neil Creek, Omeneca Mts., B.C.  
Coll: WR/Dec. 1968
- 6723 Jade in core from 4-6-2000. O'Neil Creek, Omeneca Mts., B.C.  
Coll: WR/Dec. 1968
- 6724 Jade in core form #5 (on hill) from O'Neil Creek, Omeneca Mts., B.C.  
WR/ Dec. 1968
- 6725 Jade in core from #1H - 800, O'Neil Creek, Omeneca Mts., B.C.  
Coll: WR/Dec. 1968
- 6726 Jade in core from 1st rock on hill, O'Neil Creek, Omeneca Mts., B.C.  
Coll: WR/1968
- 6727 Jade in core from #9H 1700, O'Neil Creek, Omeneca Mts., B.C.  
Coll: WR/Dec. 1968
- 6728 Omeneca jade. No exact locality given. Coll: WR/ Dec. 1968
- 6729 Omeneca jade #4H (on hill) from O'Neil Creek, Omeneca Mts., B.C.  
Coll: WR/ 1968
- 6730 Omeneca jade in core. #8H - 1200. Omeneca Mts., B.C. Coll: WR/1968
- 6731 Omeneca jade in core. #13H - 2200. Omeneca Mts., B.C. Coll: WR/1968
- 6732 Omeneca jade in core. #2H on hill. Omeneca Mts., B.C. Coll: WR/1968
- 6733 Omeneca jade in core. #7H (on hill) - 800. Omeneca Mts., B.C.  
Coll: WR/ 1968
- 6734 Omeneca jade in core. #15H - 800. Omeneca Mts., B.C. Coll: WR/1968

- 6735 Core from cap off V rock in creek. Omenica Mts., B.C. Coll: WR/68
- 6736 ✓ Jade from chrome, upper O'Neil Creek, Omenica Mts., B.C. Coll: WR/1968 *in 54-29*
- 6737 ✓ Jade #1. Wt. 4 1/4 lb.; boulder wt. - 250 pbs. Loc: Two miles up Fall River from entrance to Omenica River. Larry Owen 1967 *in 54-31*
- 6738 ✓ Jade #2. Wt. 7 1/4 lbs. Boulder wt: 500 lb. Loc: Two miles up Fall River from entrance to Omenica River. Larry Owen 1967 *in 52-49*
- 6739 ✓ Jade #3. Wt. 4 1/8 lbs. Boulder wt: 34 lb. Same locality as above. Larry Owen 1967 *in 54-32*
- 6740 ✓ Jade #4. Wt: 1 1/4 lb. Boulder wt: 80 lb. Locality: Fall River, 1 1/2 miles from Omenica River. Larry Owen 1967 *in 54-32*
- 6741 Jade #5. Wt: 3 1/2 lb. Boulder Wt. = 2200 lb. Locality: Vital Creek, found at bridge 3/4 mile upstream from Silver Creek. L. Owen 1967
- 6742 ✓ Jade #6. Wt: 3 3/8 lb. Boulder wt: 30 lb. Locality: Silver Creek, 50 ft. above west bank near mouth of Vital Creek. L. Owen 1967 *in 54-32*
- 6743 Jade #7. 6 lb. Boulder wt: 350 lb. Locality: 2 1/2 miles below turn off road to Kwanika Creek. Larry Owen 1967
- 6744 ✓ Jade #8. Wt: 4 1/4 lb. Boulder wt: 10,000 lb. Locality: Kwanika Creek, 2 1/2 miles below turn off road to Kwanika Creek. L. Owen 1967 *in 54-46*
- 6745 ✓ Jade #9. Wt: 8 1/2 lb. Boulder wt: 500 lb. Locality: Fall River, 2 miles upstream from entrance into Omenica. *54-49* L. Owen 1967
- 6746 ✓ Jadete ?? #10. Boulder wt: 100 lb. Locality: Fall River lease (Owen) *in 54-49* L. Owen 1967
- 6747 ✓ Jade #11. Omenica jade from unknown locality. L. Owen 1967 *in 54-49*
- 6748 ✓ Jade #12. Small piece of Omineca jade from unknown locality. *54-34* L. Owen 1967
- 6749 Unknown sample donated by L. Owen 1968
- 6750 Black chert?? L. Owen 1968 *in 54-29*
- 6751 White serpentine transition to gree jade. Manson Creek, B.C. L. Owen, 1968
- 6752 Volcanics from Italy.
- 6753 " " "
- 6754 " " "
- 6755 " " "
- 6756 Muschelkalks. Triassic Age. Odessa, Black Sea.
- 6757 Volcanics from Italy
- 6758 Barite ?? from Italy
- 6759 Volcanic flow (arso syenite??) from Ischia. Flow of 1301 A.D.
- 6760 Volcanic flow (arso syenite?) from Italy
- 6761 " " " " " "
- 6762 " " " " " "
- 6763 " " " " " "
- 6764 " " " " " "



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- 6765 Arso Syenite flow Ischia flow of 1301 A.D. Sanidine date - 0 years
- 6766 "Bouse de Vache" Ischia. R.E.F.
- 6767 Sanidine bearing pumice bomb. Ischia. R.E.F.
- 6768 Sandstone, lower Buntsandstein. Triassic, Enz-Valley, Germany R.E.F.
- 6769 Gneiss  
Silvietta R.E.F.
- 6770 "Bottinger Marmor". Bottinger, Germany. Tertiary R.E.F.
- 6771 Stalactite. Grabeust Ettey, Germany. R.E.F.
- 6772 Yellow Serpentine, Zob litz, Ercg'Birge, Germany R.E.F.
- 6773 Limestone. Middle Triassic. Pont des Siches, Alsace R.E.F.
- 6774 Mica schist. West Ghats, East India R.E.F.
- 6775 Granite with high uranium content. Muhlleithen, Saxony, Germany R.E.F.
- 6776 Gabbro ?? Ehrsberg, Baden, Black Forest R.E.F.
- 6777 Sandstone (Hauptburnt Sandstein) Triassic Neubulach, Baden.
- 6778 Arkose Buntsandstein, Triassic Heiligenberg, Alsace. R.E.F.
- 6779 Quartzite Lloretta R.E.F.
6780. Pearsonite sandstone. Dogger B, Westhausen, Germ. R.E.F.
- 6781 Black serpentine, Zobnitz, Riggeborge, Saxony R.E.F.
- 6782 Garnetiferous mica schist. St. Gothardt, Alps, Austria R.E.F.
- 6783 "Tiger Sandstone" Lower Buntsandstein, Triassic, Frendeustatt, Baden R.E.F.
- 6784 Greywacke, N. Nabor, Alsace. Devonian R.E.F.
- 6785 Eclogite, Gefrees, Bavaria. R.E.F.
- 6786 Fumarolic Rock. Vesuvius. R.E.F.
- 6787 Epidote schist, Fiebig-Koppe, Silesia, Czech R.E.F.
- 6788 Muscovite, Holledford Crater, Ontario R.E.F./1963
- 6789 Vesuvianite. Holleford Crater, Ontario R.E.F./1963
- 6790 Wollastonite Holleford Crater, Ontario R.E.F./1963
- 6791 Vesuvianite Holleford Crater R.E.F./1963
- 6792 Garnet
- 6793 Muscovite Holleford Crater, Ontario R.E.F./1963
- 6794 Muscovite Holleford Crater, Ontario R.E.F. 1963
- 6795 Wollastonite Holleford Crater, " " "
- 6796 Wollastonite and Vesuvianite, Holleford Crater, Ontario R.E.F./1963
- 6797 Wollastonite, Holleford Crater, Ontario R.E.F. '1963
- 6798 Volc. flow, Vesuvius, Italy Pa-hoe-hoe flow of 1858. R.E.F./1964
- 6799 Top of Mt. Amiata. Trachytic Cupola, with much sanidine. Age 430,00 years  
R.E.F./1964
- 6800 Leucite lava. Vesuvius Italy Aa - Blocky Lava, Flow of 1944 REF/1964
- 6801 Lava flow from Italy. R.E.F./1964
- 6802 Leucite lava. Flank of volcaivo Bolsena, Italy 275,000 years old.  
REF/1964

6803	Ignimbrite	Castle Del Piano, Mt. Amiatz, Italy.	Sanidine is 430,000	
	years old.		REF/1964	
6804	Volcanic flows from Italy		REF/1964	
6805	"	"	"	"
6806	"	"	"	"
6807	"	"	"	"
6808	"	"	"	"
6809	"	"	"	"
6810	"	"	"	"
6811				
6812				
6813				
6814				
6815				
6816				
6817				
6818				
6819				
6820				
6821				
6822				
6823	Epemeo Tuff. Ischia, Italy		REF/ 1964	
6824	Volc. flow from Italy			
6825	"	"	"	"
6826	"	"	"	"
6827	"	"	"	"
6828	"	"	"	"
6829	"	"	"	"
6830	"	"	"	"

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- 6831 Flute casts, Vallcargo Fm, (Creta), Pyrenees (near Pablo De Segur, Spain)  
JFL/1968
- 6832 'Fucoids' Pietraforte Turbidite, Florence, Italy JFL/1968
- 6833 <sup>P.P.P.</sup> Riddle Bedded Interval in Marnosa-Arenacea Turbidite near Bologna  
(Senio Valley), Italy JFL/1968
- 6834 Anhydrite, Frobisher Evaporite Can Williston Weyburn 2-17-7-12W2  
4456'
- 6835 Sandstone, Upper Siwalik Pr - Nagaha Fm (U. Pliocene ?), Bhakra  
Dam area, Punjab JFL/1968
- 6836 Sandstone, M. Siwalik (Rawasar Fm) same loc. as 6835
- 6837 Sandstone, L. Siwalik (Sutledge Fm) same loc. as 6835
- 6838 " " " "
- 6839 Sandstone, U. Siwalik (Pleist. ?) Bhakra Dam Area, Punjab.
- 6840 Sandstone, Dharmsala Fm. (Pre-Siwalik), Simla Rd, near Kalka, India
- 6841 - 6844 Krol Carbinates (Permian to Jurassic) Sub-Himalayas, India.  
Coll: C Gundu Rao
- 6845 Nephrite boulder #17. 9 1/4 lb from 6000 lb. boulder. Odgen Creek,  
Omineca, B.C. @ \$3.00/lb. = \$27.75  
16, Jan. 1969 Stan Porayho
- 6846 Omineca Nephrite Boulder #5. 8 3/4 lb. from 1936 lb. boulder, from  
Odgen Creek Area, Omineca Mts., B.C. @ 1.50/lb. = 12.75  
Stan Porayho/1969 in 54-? bottom of.
- 6847 Omineca Nephrite Boulder #J. 19 lbs. from 18,777 lb. boulder??  
Odgen Creek, Omineca Mts., B.C. @\$6.00/lb. = \$114.00  
Stan Porayho/1969 in 54-29
- 6848 Omineca Nephrite Boulder S.K. 15 lbs. from 1835 lb. sample. From  
Odgen Creek, Omineca Mts., B.C. Cost = \$40.00 16 Jan. 1969.  
Stan Porayho
- 6849 Omineca Nephrite Boulder #K.W. 7 1/2 lb. of 135 lb. boulder.  
Odgen Creek, Omineca Mts., B.C. 16 Jan, 1969 Stan Porayho  
Cost of item = free. in 54-31
- 6850 Core from Imperial Oil Ltd. Steen 12 - 19
- |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|
| 51 | 56 | 61 | 66 | 71 | 76 | 81 |
| 52 | 57 | 62 | 67 | 72 | 77 | 82 |
| 53 | 58 | 63 | 68 | 73 | 78 | 83 |
| 54 | 59 | 64 | 69 | 74 | 79 | 84 |
| 55 | 60 | 65 | 70 | 75 | 80 |    |
- 1077-1084' 1244-1262' 1368-1392' 1484-1493' 1620-27' 1670-1695'
- 6885 to 6909 Reef Limestones (U. Creta. Dalmiapuram), Trichinopoly District,  
S. India Coll: C. Gundu Rao
- 6910 Porphyritic Granodiorite, Nelson Batholith. On B.C. Hwy. 3A, west of Kokanee  
Creek Camp ground. Coll: Geol. 467 B Field Trip Class, May 1, 1969.
- 6911 Porphyritic Augite Andesite, Jurassic. B.C. Hwy. 6, 2 mi. north of Apex.  
Geol. 467 B Class, May 1, 1969.
- 6912 Hornfels at contact of Ymir Stock. B.C. Hwy. 6. South of Ymir, B.C.  
Geol. 467 B Class, May 1, 1969.
- 6913 Augine Monzonite.  
Ymir Stock. B.C. Hwy. 6

- R 6914 Andesite. Lower Jurassic, Rossland Formation.  
Montrose. 4 mi east of Trail, B.C.
- ✓ 6915 Banded Trachyte. *2 hand spec.*  
Lower Jurassic, Rossland Formation. Montrose. 4 mi east of Trail, B.C.
- ✓ 6916 Feldspar Porphyry. Dyke cutting Rossland Formation.  
Montrose. 4 mi. east of Trail, B.C.
- 6917 Granodiorite. Nelson Batholith.  
Murphy Creek, 4 mi. north of Trail, B.C.
- 6918 Hornfels. South contact of Bayonne Batholith.  
B.C. Hwy. 3A. 2 mi. south of Sirdar, B.C.
- 6919 Basic dyke cutting Nelson Batholith, Kokanee Creek Camp Ground  
13 mi. east of Nelson, B.C.
- 6920 Sullivan Mine Specimens
- 6920a Sullivan Mine "A" Band 3663 XCE Coll: RAB
- 6920b Sullivan Mine "A" Band 3904 XCE Coll: RAB
- 6920c " " Base of "I" 3663 XCE Coll: RAB
- 6920d " " Footwall Aldrich Argillite - sulfide bearing Coll: R. Walker
- 6920e Sullivan Pyritic Ore Coll: R. Walker
- 6920f Sullivan Main Ore Band at lower end Coll: R. Walker
- 6920g Sullivan Veins in footwall of Aldrich Argillite. 250 ft. below ore body  
Coll: R. Walker
- 6920h Sullivan Tin Zone
- 6921 Jersey Mine Specimens
- 6921a Jersey Mine - Sphalerite, pyrite in carbonate; ~~trace galena~~  
Coll: R. Walker
- 6921b Jersey Mine - Pyritic Zone - pyrite and sphalerite in carbonate gangue  
Coll: R. Walker
- 6921c Jersey Mine Ore Coll: RAB
- 6921d Jersey Mine Ore - heavy mineralization Coll: RAB
- 6921e Jersey Mine - host rock, slickensided face
- 6921f Jersey Mine ore
- 6922 Red Mountain Mine Specimens
- 6922a Molybdenite Ore - mainly massive, some indication of host brecciated  
argillite
- 6922b Molybdenite Ore showing yellow ochre alteration, brecciated argillite  
host.
- 6922c Molybdenite Ore in carbonate gangue
- 6922d Massive Argillite Host for Molybdenite
- 6923 Phillips Formation
- 6924 Homblende Hornfels contact zone of Irishman Creek Sill near Irishman  
Ck, B.C.
- 6925 Chlorite Schist. Metamorphosed calcareous. Creston Fm. 3.9 mi  
north of Creston, B.C. Viewpoint.

- 6926 Agmatite, Roof Pendant, Bayonne Batholith, Kootenay Lake.
- 6927 Bayonne Batholith
- 6927a Aplite dyke cutting Bio-Qtz-Monzonite
- 6927b Porphyritic Qtz - Monzonite with inclusion
- 6928 Peavine Conglomerate 2 mi N. of Moyie Lk, B.C.
- 6929 Hornfels from basic Ymir Stock
- 6930 Syenite from Syenite Core of Ymir plutonic body
- 6931 Hydrothermally introduced sulphides in qtz Columbia Point, Kootenay Lake (from adit)
- 6932 ~~Migmatite~~ *porphyroblastic cataclite*  
2.5 mi N. of Murphy Creek, B.C. north of Trail, B.C.
- 6933 Fault Breccia  
Redwall Fault, Sinclair Canyon, Radium Hot Springs, B.C.
- 6934 Actinolite and minor phlogopite. East side Kootenay Bay Ferry Landing, Kootenay Lake, B.C.
- 6935 Diopside. East side Kootenay Lake, south of Crawford Bay. Metamorphosed Badshot Formation.
- 6936 Crowsnest Volcanics. Loc: pipeline near Blairmore, Alberta
- 6937 Silicified Clam Burrows, Crowsnest Lake. Coll: C.R. Stelck, April, 1969.
- ✓ 6938 Graded beds, Wynd Fm. Yellowhead Hwy miles west of Jasper.  
Coll: JFL, 1969
- 6939 ditto
- 6940 Shale pebble Cgl. Wynd Fm, mile 0.35 Yellowhead Hwy. Coll. M. Day, 1969
- 6941 Miami Oolite. Florida Keys. Coll: JFL, 1967
- 6942 Recent Dolomite crust? Miami Oolite, Sugarloaf Key, Fla.  
Coll: JFL, 1967
- 6943 - 6947 Late Pennsylvanian limestones, north-central Texas, AAPG Field Trip, Dallas, 1969 Coll: JFL (see Guidebook - Late Penn. Shelf sediments, north-central Texas)
- 6934a,b,c Winchell Ls unit IV a,b,c, (Stop 1, p. 42)
- 6944 Ditto - Winchell Fusulinid Ls
- 6945 a,b,c " Palo Pinto Ls (Stop 3)
- 6946 Silicified Winchell Ls (Stop 4)  
a. silicified red algae (archaed lithophyllum?)  
b. " chaetetes  
c. encrusting forams  
d. silicified sponge
- 6947 Calcareous sandstone of distributary facies
- 6948 Marathon Basin Rocks, Texas (see AAPG FieldGuidebook, 1969)  
Coll: JFL
- 6948 a,b,c,d Marathon Ls (Stop 1), Cambrian
- 6949 a,b,c Fort Pena Ls (Stop 1), Cambrian
- 6950 a,b,c Monument Springs Fm (Exotic blocks of algal ? Dolo (Stop 1)

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- 6951 Limestone, Maravillas Fm (Stop 2)
- 6952 Chert, " " "
- 6953 " , Caballos " "
- 6954 Sandstone, Tesnus Fm (Stop 3)
- 6955 Limestone, Dimple Fm (Stop 4)
- 6956 Sandstone, Haymond Fm (Stop 5)
- 6957 Exotics (chert and Ls) " (Stop 6)
- 6958 Chert, Caballos (Stop 7)
- 6959 Limestone " "
- 6960 Limestone, Dimple Fm (Lunch stop)
- 6961 Limestone, Gaptank Fm (Stop 8)
- 6962 The Chalk, near Portsmouth, England Coll: JFL, 1968
- 6963 Sandstone (Zeolite ?) Oldman Fm. Dinosaur Prov. Park, Alta.  
Coll: JFL, 1969
- 6964 Mt. Hawk Fm., Mt. Greenock, Jasper Nat. Park. Coll: JFL, 1969
- 6965 Palliser Fm., " " " " " " " "
- 6966 Rundle Gp., " " " " " " " "
- a. Pekisko Fm  
b. Shunda Fm.  
c.  
d.
- 6967 Rocky Mtn. Gp. " " " " " " "
- 6968 a-o Lower 400' of Fm. B, Rundle Gp, Lake Talbot Sec'n, Jasper Nat.  
Park, Miss. (Intraclastic Ls, Dol, Stromatolites ?) Coll: JFL, 1969
- 6969 Fm D, Same loc. " " "
- 6970 Rocky Mtn. Fm. Same loc. " " "  
(Dolomitized ss in Basal Chert Cgl ?)
- 6971 Flume Fm., Cold Sulphur Spring Sec., J.N. Park
- 6972 Palliser " " " " " "
- 6973 "Alexo" " " " " "
- 6974 Mt. Hawk " " " " "
- 6975 Dolomite, Carswell Fm., Coll: R. J. Morton
- 6976 Upper Banff Fm., Mt. Greenock, Jasper Nat. Park Coll: JFL, 1969
- 6977 Granite, light grey, medium-grained. Algoman. Whiteshell Park,  
Manitoba. Quarry on hwy. 44, approx. 1.5 miles north of West  
Hawk Lake. RAB, 1969 Au 5-1
- 6978 Gneiss, leucocratic, locally porphyroblastic. Whiteshell Park, Man.  
At outlet of Falcon Lake to Falcon River. RAB - 1969 Au 6-1
- 6979 Granodiorite, porphyritic. Whiteshell Park, Man. Rainbow Falls,  
on Whiteshell River and hwy. 307. North of Jessica Lake.  
RAB - 1969 Au 6-2

possibly in ESB 1-06  
thin section dominants

- 6980 Granite, red algonian. Whiteshell Park, Man. On Hwy. 307, west shore of Jessica Lake. (a) coarse, porphyritic phase (b) medium grained, equigranular phase. RAB - 1969 Au 6-3 a, b.
- 6981 Gneiss, well banded. Laurentian (?) or Algonian. Whiteshell Park, Man. On hwy. 307 just north of C.P.R. main line. RAB - 1969 Au 6-4
- 6982 Metabasalt. Keewatin. Whiteshell Park, Man. On hwy. 301 just south of Trans Canada hwy. RAB - 1969 Au 6-5.
- 6983 Gneiss, grey. Laurentian (?) or Algonian. Ontario Provincial Camp Ground at Rushing River. Approx. 4 mi. south of Trans Canada hwy, on Hwy. 71. RAB - 1969 Au 11-1
- 6984 Granite, pink. Algonian. Ont. Hwy. 71, 1/2 mi. north of Rushing River. (a) pink granite (b) grey gneiss cut by pink granite. RAB - 1969 Au 11-2 a, b.
- 6985 Grey gneiss (Laurentian ?) cut by pink granite (Algonian). Ont. Hwy. 71, approx. 0.25 mi. north of Rushing River Camp Ground. RAB - 1969 Au 11 - 3.
- 6986 Porphyroblastic biotite gneiss (Laurentian ?) Ont. Hwy. 71, at Rushing River Bridge. RAB - 1969 Au 11-4.
- 6987 Keewatin Volcanics. (Pyroclastic in part). South of Clearwater Bay P.O. Map unit 2a, O.D.M. Map 2115. RAB - 1969 Au 11-5.
- 6988 Gneissic Granodiorite, with inclusions of greenstone. Longbow Lake P.O. on Trans Canada Hwy., approx. 8 mi. east of Kenora. (Laurentian ?) RAB - 1969 Au 12-1.
- 6989 Granite, pink (Algonian). On Ont. Hwy. 17 just south of Trans Canada Hwy. (a) coarse-grained phase (b) aplitic phase RAB - 1969 Au 12-2
- 6990 Keewatin Metasediment (?) or metavolcanic (?) Trans Canada Hwy., 1.0 mi. east of Ontario-Manitoba boundary. RAB - 1969 Au 13-1.
- 6991 Pyroclastic Rock - Upper Bonanza Fm. 2 mi SW of Atluck Lake, Vancouver Is., B.C. C.T. Herzberg, 1969.
- 6992 Pyroclastic Rock - Upper Bonanza Fm. 5 mi. S-SE of Mahatta River Logging camp, on N. Vancouver Island. C.T. Herzberg, 1969.
- 6993 Cordierite Gneiss. Haultain River Map Area, Sask. Approx. 4 mi. S.E. of Vedette Lake. Associated with calc-silicates. R. Walker, 1969.
- 6994 Suite of samples (17) from Stillwater Complex, Montana. Purchased from Frederick Fisher, Wayne State University, Detroit, Mich. 1961. (Per R.A. Burwash).
- 6995 Suite of samples (31) Hawaiian Volcanics. From Western Minerals Inc., Elsau, Ill. Purchased 1969 (Per R.A. Burwash)
- 6996 Suite of samples ( ) illustrating granitization. Purchase 1969, from Western Minerals Inc., Elsau, Ill. (Per R.A.B.)
- 6997 Suite of samples ( ) illustrating migmatites. Purchased 1969, from Western Minerals Inc., Elsau, Ill. (Per R.A.B.)
- 6998 G.S.C. Sedimentary Rock Suite #1, Arisaig Section, Nova Scotia. Coll: P.E. Schenk, 1968 (6998-1 through 19)

perhaps  
6999-q-1m ✓6999  
ESB 100; thin sections  
dominoes.

perhaps in ESB 100-  
thin sections ✓7001

- 7000 G.S.C. Sed. Rock Suite #2; Cambro-Ord. Flysch Sequence, Cacouna and Trois-Pistoles Region, Que.; Coll: Jean Lajoie 1968 (6999-2 through 13)
- 7001 G.S.C. Sed. Rock Suite 3a; Silurian of Niagara Escarpment Coll: G. V. Middleton (7000-1 through 11)
- 7001 G.S.C. Sed. Rock Suite 3b; Dev. of Hagersville, Ont.; Coll: G.V. Middleton 7001-1 through 9
- 7002 G.S.C. Sed. Rock Suite #4; M. Ord. Guigues and Farr Fms., Liskeard Gp, Lake Timiskaming, Ont. Coll: T.E. Bolton and M.J. Copeland, 1968 (7002-1 through 3)
- 7003 G.S.C. Sed. Rock Suite #5; L. Creta. Blairmore Gp.; Foothills S.W. Alberta Coll: D.K. McIvor, 1968.
- 7003-1 Qtzte and chert pebble Cgl; Cadomin Mbr.
- 7003-2 Qtzose ss; L. Blairmore Fm.
- 7003-3 Micritic skeletal Ls; Calcareous Mb.
- 7003-4 Feldspathic ss; U. Blairmore Fm.
- 7003-5 " "
- 7004 Churchill Copper, Racing River, B.C. (1967)
- 7005 , near Sault Ste. Marie
- 7006-1 Quartz replaced by Specularite Battle Lake (BL-66-19WV) from L. Christmas, 1967
- 7006-2 Gold disseminations from Pfaff Gold-Copper Prospect Battle Lake, Alaska (BL-66-20WV) L. Christmas, 1967
- 7006-3 Battle Lake, Alaska
- 7007 Texas Gulf Sulphur Suite - S.A Jackson, 1967
- 7007-1 Sulphide, rich in chalcopyrite, quartzose, fragment and minor pyrite.
- 7007-2 Almost massive chalcopyrite with a few blebs of siliceous material.
- 7007-3 Pyritic (fractured and recemented with gangue and minor chalcopyrite)
- 7007-4 Coarse feldspar with coarse-grained interslital chalcopyrite and sphalerite
- 7007-5 Rich in spalerite with good banding of fractured coarse pyrite. Magnetic indicating magnetite or pyrrhotite, neither visible in hand specimen.
- 7007-6
- 7008 Horneblende, garnet granulite from Klemmetsaune, Byneset
- 7009 Calcite crystals J44 3d bench
- 7010 Orthoclase with sodic amphibode, white sodalite, grey nephelite from Haldemess, New Hampshire, 1969, REF
- 7011
- 7012 Mascarite, Pine Point X15 (Pyramid) 1st bench. Jackson samples.
- 7013 Chalcopyrite in dolomitized limestone above sst. that begins the Paleozoics in the W. side of Hotlah Lake, NWT. F.G. Smith, U of T.
- 7014 Sulphur from Rainbow Gas Plant, 1969. See Sasaki paper for isotope data.
- 7015 Gold bearing sand, N. Saskatchewan River
- 7016 lead suite from S.A. Jackson collected at Sandpile Lake, B.C., 1964.
- 7016-1 Sphalerite from "bedded" showing in McDame dolomites



- 7016-2 Sphalerite from "Bedded" showing in McDame dolomites.  
 7016-3 "Orange" sphalerite disseminated in dolomite from "bedded" showing in McDame dolomites  
 7016-4 as 7016-3  
 7016-5 Orange sphalerite in grey dolomite, some milky barite (?) from "bedded" showing in McDame dolomites  
 7016-6 Massive galena, weathered. Found with sphalerite from "bedded" showing in McDame dolomite  
 7016-7 Galena with colloform marcasite, no sphalerite associated; low silver. From 6 inch vein, McDame dolomite.
- 7017 Core from fore-reef, bituminous limestone and shale facies, Pine Point, NWT  
 Diagenetic sphalerite in brachiopod shell, S.A. Jackson, Sept. 1965.
- 7018 Sphalerite in core, probably from Wizard Lake.
- 7019 Show samples from R.L. Rutherford.  
 7019-1 to 7019-14
- 7020 Orthoceras, from Orthoceras Limestone, below Chasmaps series, Kinnekulle Sweden, REF, 1960
- 7021 Ammonite, Jurassic Lyme Regis, England, 1960
- 7022 Pelecypod, Chasmaps, 1960
- 7023 Graptolites, Glenogle Shale
- 7024 Olenellus, Cranbrook, B.C., REF
- 7025 Gangamopteris, Zhewan Spor, Kashmir, 1964
- 7026-1 Ogygopsis, Stephen Shale  
 7026-2 Ogygopsis, Stephen Shale
- 7027 Anoma
- 7028 Olenellus zone on highway #1 between Field and Lake Louise (see Guidebook - Banff - Golden
- 7029 Gastrolites canadensis, Albian, Gates ss, above Bentonite #2 REF
- 7030 Gastrolite (?) from talus between bentonite #1 and #2, Gates anticline near Hudson - Hope, B.C. REF, 1962
- 7031 oysters, oyster bed, Morin Ferry, REF
- 7032 Neogastrolites americanus, Nodule Winnecook, Runch, Montana see U.S.G.S. PP355, loc: 23042 (pl. 46)
- 7033 Protoceratops egg fragments, Gabi desert from E.H. Colbert, 1963
- 7034 Shell fragments - aepyornis
- 7035 Clam, Horseshoe Bay, B.C.
- 7036 Ammonite from Nodule in Edmonton formation at Genesee N. Sask. R., not necessarily in place. Plesiacanthoceras wyomingense albertense (Warren and Stelck)
- 7037 Coal, Camrose District, Edmonton Formation
- 7038-1 Scaphites  
 7038-2 Scaphites
- 7039 Uranium Ore, Eldorado Property Sask,
- 7040 Placer Garnet-mag Finlay R., Ingenikar, B.C.
- 7041 Gold (high grade) Negus Mine Yellowknife donated by Chrysanthov

- 7042 Gold (high grade) Burnt Island, Gordon Lake, N.W.T. - Hugh Frazer.
- 7043 Trilabite egg pits, Bow Lake, Alberta presented by Don Jaeger, 1961, Jan.
- 7044 Jade, Upper On'ell Ck. July, 1970
- 7045 Coal, Coalspur, Alberta. Vitaly Mines
- 7046 Coal, Coal Valley (Alta.) Mynheer Seam pit No. 5
- 7047 Cinosaur bone from Big Bend of N. Sask. Reen Pawlowski, Geol. 201, Sept., 1969.
- 7048 Fossil leaves, Genesee, fall of 1969, R.E. Folinsbee
- 7049 Volcanic Core rock, Upper Member, Dalhousie Formation from H. R. Greiner.
- 7050 Lead suite - D. K. Robertson
- 7050-1 J70-5 73'
- 7050-2 K57-8 Galena from top section of massive ore 81.5'
- 7050-3 Pip 3 L15 at 6800'
- 7050-4 Galena in intraclast zone from long sequence of f. gr. 1st just below 3' strom layer; Slave Pt Lst 2085'
- 7050-5 Pip 5
- 7051 Takla Silver A.P.U., L.W.R.
- 7052 Garbutt Shales (lower Cret.) 2" bentonite. Ten miles below confluence with Racing (about 59N, 125W) M. J. Van Vliet
- 7053 Scalp Creek Sanidine
- 7054 Jade, On'ell Creek. Boulder (8 tons) #4 claim, Omineca Mts. R.E.F. 1970. One piece taken to Hokkaido U.
- ? 7055 1350 Boulder, Vestor zone (5) T6 or 9.
- 7056 Vestor Main 9 TR 9 Sample
- 7057 " " 5 TR 6
- 7058 " " showing exact location unspecified.
- 7059 " " showing location unspecified.
- 7060 " " showing 5 TR 6
- 7061 " " 5 TR 6
- 7062 " " 5 TR 4 Hi grade
- 7063 " " 5 TR 6
- 7064 " " 5 TR 6
- 7065-a Toopon Lake #9 (see notes for location) REF
- 7065-b " " (banded quartzite up to 50% hematite)
- 7065-c " "
- 7066-a } Toopon Lake #8 REF (see notes for location) quartzite
- 7066-b }
- 7066-c }
- 7066-d }
- 7067 Toopon Lake #10 anomaly REF
- 7068 Toopon Lake #12 REF
- 7069 a & b Toopon Lake #16 REF
- 7070 Toopon Lake anomaly #13 REF
- 7071a & b Toopon Lake #1 claim post (see notes)

7072	Toopon	REF	#2	(see notes)
7073a & b	"	"	#7	"
7074	"	"	#4	"
7075	Toopon Lake		#5	"
7076	"	"	#6	"
7077	"	"	#3	"
✓ 7078	T350 Jade Boulder	On-Ell Creek	REF	large boulders ~ 30 cm x 40 cm.
7079	"	"	"	"
7080	"	"	"	"
✓ 7081	Jade	On-Ell Creek	REF	several pieces
✓ 7082				
✓ 7083	Jades	On-Ell Creek	REF	most in 54-47
✓ 7084				
✓ 7085				
✓ 7086				
✓ 7087-a, b, c, d	Jades	On-Ell Creek	REF	
✓ 7088				
✓ 7089				
✓ 7090-a	Core sample - Jade	On-Ell Creek	REF	
✓ 7090-b	Core sample - Jade			
✓ 7090-c	Rock from which Jade drill samples were taken.			
✓ 7091				
✓ 7092-a, b, c, d				
7093				
✓ 7094	Jades	On-Ell Creek		
7095				
7096	Porphyrite rock			
✓ 7097	Jade Boulder	On-Ell Creek		
7098				
7099				
7100 - 7200	Reserved for meteorites			
7100	Allende Meteorite (Carbonaceous Chondrite)			
7101	Plainsview Meteorite			
7102	Tenham Meteorite	Olivine-Hypersthene Chondrite	Australia found 1879	
7103	"Shale# Ball" Dalgara			
7104	"	"	Wolf Creek, W. Aust.	
7105				
7106				
7107				
7108				

display T-350

most in 54-47

Reserved for meteorites  
↓

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for Ed. Cloutier  
thesis - 1989.

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- 7149
- 7150 Braham Brenham
- 7151 Toluca
- 7152 Mayerthorpe #2
- 7153 *Tektite - Indochinite*
- 7154 Odessa frag. etched polished embedden in plastic wt. 402 gm plastic  
see letter from Hugh Howard.
- 7155 Odessa frag. wt: 331 gm. (from Hugh Howard EMI)
- 7156 *Mundrabilla*
- 7157 -
- 7158 - *Mount Padburg*
- 7159
- 7160 ✓ *Crofton*
- 7161 ✓
- 7162 ✓
- 7163 ✓
- 7164 *not used*
- 7165 ✓
- 7166 ✓
- 7167 -
- 7168 ✓
- 7169 ✓
- 7170 ✓
- 7172 .
- 7173
- 7174
- 7175
- 7176
- 7177 *not used*
- 7178
- 7179
- 7180 ✓
- 7181
- 7182 *not used missing*
- 7183
- 7184
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*not used*

7200

7201 28 Tekiltes from Dr. B. Bouelk 14° 21' E & 48° 57' N to No. 7201-A  
7201 - BB

7202 Bediasite foam Lee County, Texas Wt: 14.6 gms.

7203  
7204  
7205  
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*not used*



*meteorites (?)  
no! not meteorites.*

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✓ 7221 Green Jade, On-Ell Creek REF 1970 *in GH 54-45*  
7222 White Jade, Lower On-Ell REF 1970  
7223 3 pieces jade On-Ell S.E. Side 100' below bridge REF 1970  
7224 Jade On-Ell Creek  
7225 Serpentine N. Cirque Mitchell Mts.  
7226 all samples from T6 and T9 zone 5 Vestor REF Aug. 1970  
Series runs from 7226-A to 7226-AA

- 7227 F 1 70  
7228 F 1 A  
7229 Adamite on Limonite; Durango, Mexico  
7230 Amazonite-15 pieces; (Africa) - Some in Econ.Min. coll. (374A)  
7231 Ankerite on Pyrite; Gilman, Colorado.  
7232-7236 Arsenopyrite; Lead, South Dakota. *most in Econ.Min. coll. (374A)*  
7237 Asbestos (antophyllite); North Carolina (Spruce Pine).  
7238 Augite; Verona, Ontario.  
7239 Aurichalcite on Limonite; Durango, Mexico  
7240 Autunite on Albite; (New  
7241 Barite Rose; Norman, Oklahoma.  
7242 - 7246 Bornite; Butte, Montana *7245 in Min. coll - rest in Econ.Min. coll. (374A)*  
7247 Celestite; (Mexico)  
7248 Cerussite; Baxter Springs, Kansas.  
7249 Calcite; Terlingua, Texas  
7250-7254 Chalcocite; Butte, Montana  
7255-7259 Chalcopyrite; Temagami, Ontario *#7255-R.*  
7260-7262 Chalcopyrite on Dolomite on Chert; Joplin, Montana  
7263 Chalcopyrite on Dolomite; Joplin, Montana  
7264 Chalcopyrite on Dolomite on Chert with Sphalerite; Joplin, Missouri  
7265-7269 Chromite; Jackson Co., North Carolina  
7270 Chrysocolla; Gila Co., Arizona  
7271 Cinnabar - 7 species; San Luis Potosi, Mexico  
7272-7277 Copper on Cuprite; Ajo, Arizona  
7278-7280 Digenite; Butte, Montana  
7281-7282 Digenite with Pyrite; Butte, Montana  
7283 Digenite with Pyrite and Covellite; Butte, Montana  
7284-7288 Enargite; Butte, Montana  
7289 Fluorite; (Illinois)  
7290 Fluorite Cleavage; (Illinois)  
7291 Garnet-grossularite, 14 pieces; Chihuahua, Mexico (*5 put in Min. Coll. Febr. 1976*)  
7292 Gilsonite - 4 pieces; (Utah)  
7293 Grafonite; Custer, South Dakota  
7294-7298 Hematite; Llano Co., Texas  
7299-7303 Hematite; Yuma Co., Arizona  
7304 Heterosite with Muscovite; Custer, South Dakota  
7305 Idocrase; Chihuahua, Mexico *put in Exchange coll. May/76.*  
7306 Idocrase with Wollastonite; Llano Co., Texas  
7307-7308 Ilmenite; Saluda Co., South Carolina

April/76

7311 put in Exchange mat.

- 7309-7311 Ilmenite with Muscovite; Saluda Co., South Carolina
- 7312 *Amphibole, var. Actinolite.* Jade-nephrite; British Columbia, Canada
- 7313 Kernite - 2 pieces; Kern Co., California
- 7314 Lithiophyllite in Albite; Custer, South Dakota
- 7315 Magnesite; Custer, South Dakota
- 7316-7320 Magnetite; Magnet Cove, Arkansas
- 7321-7325 Marcasite on Dolomite; Bowling Green, Ohio
- 7326 Microperthite; Smith Falls, Ontario
- 7327-7331 Molybdenite; Sonora, Mexico
- 7332 Museum Quality; Tourmaline, Australia
- 7333 Obsidian; (Oregon)
- 7334 Olivine; Jackson Co., North Carolina
- 7335 Opal; (Australia)
- 7336 Plattnerite on Limonite; Durango, Mexico
- 7337 Pyrophyllite; Staley, North Carolina
- 7338-7342 Pyrite; Lead, South Dakota

missing

7343 - 78 32

See Roger Morton.

note 7801 is in cabinet #36  
7682 - DGWS-2 #7

Donna Dubetz



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Sphalerite, Baxter Springs, Kansas

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- 7833 Jade (?) Mauzual near Sant Cristobal Acatenango, Zacapa Guatemala. Al Bryan, Archeology
- 7834 Fossil Bones (Big Bend field trip, R.E.F. 1970)
- 7835 Carbonaceous wood N. Saskatchewan River
- 7836 Carbonaceous wood N. Saskatchewan River
- 7837 Muskeg
- 7838 Material from mineralized fault, low Ag Cu Tp 23 Rga 10 W 5th Section 27, Al Rudkin, Imperial
- 7839 Druzy Quartz, Chitose Daikoku Shinipi W4 240 m level, R.E.F. Japan, 1970
- 7840 Vuggy Quartz, Chitose Daikoku Shinipi W4 240 m level, R.E.F. Japan, 1970
- 7841 Hi grade gold ore Chitose Daikoku Shinipi W4 240 m level, R.E.F. Japan, 1970
- 7842 Hi grade gold ore Chitose Daikoku Shinipi W4 240 m level, R.E.F. Japan, 1970
- 7843 Hi grade gold ore Chitose Daikoku Sango Hi W4 240 m level, R.E.F. Japan 1970
- 7844 Hi grade gold ore Chitose Daikoku Sango Hi W4 240 m level, R.E.F. Japan, 1970
- 7845 Vug Chitose Daikoku Sango Hi W4 240 m level, R.E.F. Japan, 1970
- 7846 Toyoha Mine 206 m level Soya Vein S1 Rich, R.E.F. Japan, 1970
- 7847 Quartz-feldspar-porphyry Jonzankei Spa, R.E.F. Japan, 1970
- 7848 FeS<sub>2</sub>, S Horobetsuite, R.E.F. Japan, 1970
- 7849 Galena Xtals, Toyoha Mine Soya Vein 200 m level, R.E.F. Japan 1970
- 7850 Stope, Toyoha Mine Soya Vein 190 m level, R.E.F. Japan, 1970
- 7851 Hypersthene Dacite near fumarole, new lava Showa Shinzan, R.E.F. Japan, 1970
- 7852 Wall rock, Toyoha Mine 200 m level Soya Vein
- 7853 Chalcopyrite and quartz in vug, Toyoha Mine Soya Vein 200 m level
- 7854 Hypersthene Dacite Showa Shinzan, R.E.F. Japan, 1970
- 7855 Soya Vein 200 m level



7856	Anorthite Xtals, parent rock Kuttara	
7857	Cassiar Jade (nephrite), Yukon	R.E.F.
7858	Cassiar Jade (nephrite), Yukon	R.E.F.
7859	Cassiar Jade (nephrite), Yukon	R.E.F.
7860	Cassiar Jade (nephrite), Yukon	R.E.F.
7861	Cassiar Jade (nephrite), Yukon	R.E.F.
7862	Govedarnik Mine, Bulgaria	R.E.F.
7863	"	R.E.F.
7864	"	R.E.F.
7865	"	(including small sample) R.E.F.
7866	"	R.E.F.
7867	"	R.E.F.
7868	"	(includes one small sample) R.E.F.
7869	"	(includes 4 small samples) R.E.F.
7870	Radka Mine	R.E.F.
7871	<del>Radka Mine</del>	R.E.F. 1971
7872	Radka Mine	R.E.F.
7873	Medet	R.E.F.
7874	Medet	R.E.F.
7875	Medem (woodbase)	R.E.F.
7876	Medem (woodbase)	R.E.F.
7877	Lherzolites (Lers Pyrenne France)	R.E.F.
7878	Lherzolites (Lers Pyrenne France)	R.E.F.
7879	Slag (?) Juni Iverson (1974) - Resolute/Cornwallis	R.E.F.
7880	Father Lake, Stony Rapids & Saskatchewan	

Number	Place Description
7881	Father Lake, Stony Rapids & Sask.
7882	Harzburgite
7883	Amphibolitic Lherzolite
7884	Amphibolitic Lherzolite
7885	Amphibolitic Lherzolite
7886	Amphibolitic Lherzolite
7887	Lherzolite (Belgium)
7888	Lherzolite (Belgium)
7889	Garnet (Belgium)
7890	Garnet (Belgium)
7891	Garnet (Belgium)
7892	? (Belgium) (highly altered-weathered yellow-red)
7893	Eclipse (Partially oxidized)
7894	Bankeno W. zone S.
7895	Truro Isl #14 (high gr) near top of high gr. zone
7896	Truro #11 Colloform sphalerite and galena
7897	Truro
7898	Truro #12 high grade sphalerite - base of exposure
7899	Polaris: crystals of galena, colloform sphalerite, pyrite
7900-A	Polaris galena and sphalerite and pyrite
7901-A	Polaris galena and sphalerite and pyrite
7902-A	Polaris galena and sphalerite and pyrite
7903-A	Polaris galena and sphalerite and pyrite
7904-A	Polaris galena and sphalerite and pyrite
7905-A	Coal Valley, Alberta: Mynheer Seam Pit #5

Number	Place Description
7906-A	Galena from S.E. Grinnell Peninsula (2 samples)
7907-A	09 Zone, 2000' level, Fay Mine
7908-A	09 Zone, 2000' level, Fay Mine
7909-A	09 Zone, 2000' level, Fay Mine
7910-A	830N 480W (chips) (2 samples)
7911-A	1090N 50E
7912-A	60 cps H. 1090 N, 50 E
7913-A	75 cps H. 1090 N, 50 E
7914-A	1650 NE 40 NW (chips)
7915-A	NEGUS '64
7916-A	"
7917-A	"
7918-A	"
7919-A	"
7920-A	NEGUS '64
7921-A	"
7922-A	"
7923-A*	"
7924-A	"
7925-A	Con Mine
7926-A	"
7927-A	"
7928-A	"
7929-A	" (2 samples)
7930-A	" (2 samples)
7931-A	" (same as rubble in sample bag)
7932-A	FARO East side on (upperbenches) 2 samples calc silicate

Duplicate files

① 7900-8010  
 duplicates. Used an  
 'A' series to correct the  
 overlap

② 7916-8140 used  
 also for minerals.

③ use triplicate usage

③ 8012 - 8216 NOT  
 USED

Number	Place Description
7933-A	FARO 67-3 (162') chiastolite
7934-A	FARO Barite in sulphide; 2' from top ore body Bench 39-20; East side (2 samples)
7935-A	FARO pit N. end. 38-35; Dyke Bench altered 2' to fresh 2 samples.
7936-A	FARO pit 39-20 Bench (top ore body) 2 samples
7937-A	FARO (30% Barite) 66-22 depth = ?
7938-A	FARO DDH 70-6 Sec. B-8 (249') Barite (3 samples)
7939-A	FARO DDH 66-21 (246')
7940-A	FARO pit - N. end at batholith, typical ore-pyrr ore (2 samples)
7941-A	Vangorda (Barite ?) Hole 61 (240-287')
7942-A	Vangorda (Gypsum ?) E 25 (525')
7943-A	FARO Pit #7 Pyrr-Pyr (waste) minor galena - sp.
7944-A	FARO Pit (#5) 35' @ 095 from peg #231 Massive Sulphide
7945-A	Vangorda DDH 118 (162') Barite ?
7946-A	Faro A11 (588') barite.
7947-A	Con Mine CO-Bx (3500': Well no:1.6950 lat:Depth 11,180) 3505 Dr.S. Purple Calcite?
7948-A	Bulgarian galena samples - were not labelled.
7949-A	"
7950-A	"
7951-A	Smoky quartz & topaz; near Uranium showing Hidden Lake, N.W.T. Presented by Winnie Robertson, April, 1974.
7952-A*	Smoky quartz & topaz; near Uranium showing Hidden Lake, N.W.T. Presented by Winnie Robertson, April, 1974

Dyke Bench #1's

Number	Place Description
7953-A	Augite (?), Euxanite
7954-A	Texas Gulf Sulphur Ore (from Stand) (the samples is broken into 3 pieces)
7955-A	Appears to be essentially pure (very pure iron (?)) (XRD seams were also run sheets with the sample)

Zambian Copper - Rock Samples fro Study (1975)

7956-A	N mpl p.
7957-A	Chain
7958-A	Ka1

Mufulira samples

7959-A	"A" cp
7960-A	"A" cc
7961-A	"A" bn.
7962-A	"C" 2%
7963-A	"C"
7964-A	"B" gk 15%
7965-A	Dol, hower.

N'Changa Gray's Quarry

7966-A	Large samples
7967-A	
7968-A	
7969-A	
7970-A	
7971-A	
7972-A	
7973-A	

Augite H's

Number	Place Description
	<u>N'Changa (small samples-Gray's Quarry)</u>
7974-A	L45 484'
7975-A	L42 650'
7976-A	190A 405'
7977-A	
7978-A	
7979-A	
7980-A	
7981-A	
7982-A	
7983-A	
7984-A	
7985-A	
7986-A	
7987-A	
7988-A	
7989-A	
7990-A	Mimbula "1" Bas. gn.
7991-A	Mimbula "1" ore
7992-A	Kalengwa
7993-A	Kalengwa
7994-A	Kalengwa
7995-A	Cuprite ch "C"
7996-A	Cuprite
7997-A	Chibuluma west
7998-A	Chibuluma west
7999-A	N'changa

Duplicate HS

- 7 -

Number	Place Description
8000-A	N'changa gr.
8001-A	N. Fd 3% Qtz
8002-A	Chinjoia "C" (Lower Bench) shale
8003-A	Chambisri
8004-A	Chambisri
8005-A	Chambisri
8006-A	"A" graywacke Mufulira
8007-A	N'changa R. Granite
8008-A	Copper ingots
8009-A	"
8010-A	"
8011-A	"

*Duplicate numbers*

7914	Name	Locale
	Adamite ✓	Mapimi Durango, Mexico
<del>7915</del>	<del>Albite</del>	Keystone, S.D.
7916	Albite	Keystone, S.D.
7917	Amblygonite	Keystone, S.D.
<del>7918</del>	<del>Anglesite / Galena</del>	<del>Silverton, Colorado</del>
7918	Andesine	Mill Valley, California
7919	Andesite	Silverton, Colorado
<del>7920</del>	<del>Angelsite</del>	Silverton, Col
7921	Ankerite	Keystone, S.D.
7922	Augite	Powderhorn, Colorado
7923	Aurichalcite	Mapimi Durango, Mexico
7924	Austinite	Gold Hill, Utah
7925	Autunite	Paradox Valley, Colo.
7926	Axinite	Guerrero, Mexico

B 7927	Bakerite	Death Valley, Calif.
7928	Barbosalite	Custer, S.D.
<del>7929</del>	<del>(2 specimens)</del>	"
7929	Barite	Silverton, Colorado
7930	Barkevikite	Hernandez, Calif.
7931	Bastnaesite	Mountain Pass, Calif.
7932	Beryl	Custer, S.D.
7933	Berzelianite	Snikerum, Sweden
7934	Bindheimite	Manhattan, Nevada
7935	Biotite	Custer, S.D.
7936	Boracite	Lunneberg, Hanover, Gern
7937	Bornite	Eureka, Colorado
7938	Boulangerite	Washington
7939	Braitschite	Moab, Utah



7940 Bravuite  
7941 Bytownite

Rico, Colorado  
Duluth, Minn.

7942 Calcite  
7943 Carnotite  
7944 Ceboillite  
7945 Chalcantite  
7946 Chalcocite  
7947 Chalcopyrite  
7948 Chlorargyrite  
7949 Chlorophaeite  
7950 Chrysocolla  
7951 Chrysothite  
7952 Cleavelandite  
7953 Clinoclone  
7954 Clinoclase  
7955 Clinohumite  
7956 Clinozoisite  
7957 Collinsite  
7958 Columbite  
7959 (2 specimens)  
7960 Copiapite  
7961 Crandallite  
7962 Crocidolite  
7963 Cuprite  
7964 Cuspidine

Silverton, Colorado  
Price, Utah  
Powderhorn, Colorado  
Lida, Nevada  
Eureka, Colo.  
Silverton, Colorado  
Belmont, Nevada  
Pershing, Colo.  
Globe, Arizona  
Salt River, Arizona  
Keystone, S. Dakota  
Brewster, WY.  
Mayer, Arizona  
Riverside, Calif.  
Querrero, Baja Calif., Mex  
Lake Francois, B.C.  
Custer, S. Dakota  
"  
Borate, Calif.  
Fairfield, Utah  
Encampment, Wyo.  
Ajo, Arizona  
Riverside, Calif.

- D7965 Danalite  
 Cumberland, RI  
 7966 Deerite  
 Laytonville, Calif.  
 7967 Delessite  
 State Bridge, Colo.  
 7968 Diallage  
 Passo del Bracco, Italy  
 7969 Dyscrasite  
 Belmont, Nev.
- E7970 Ellesbadite  
 Riverside, Calif.  
 7971 Ellsworthite  
 Bancroft, Ont.  
 7972 Epidote  
 Silverton, Colo.  
 7973 Epsomite  
 Basque, B.C.  
 7974 Ertsonite  
 Eastgate, Nevada
- F7975 Famatinite  
 Goldfield, Nev.  
 7976 Fayalite  
 Freemont Co., Colo.  
 7977 Ferdinandite  
 Yellow Cat, Utah  
 7978 Ferrierite  
 Kamloops, B.C.  
 7979 Ferrisicklerite  
 Custer, S. Dakota  
 7980 (2 specimens)  
 7981 Fluoborite  
 " Amboy, Calif.  
 7982 Fluorite  
 Silverton, Colorado  
 7983 Forsterite  
 Riverside, Calif.  
 7984 Foshagite  
 Riverside, Calif.  
 7985 Fresnoite  
 Rush Creek, Calif.

7986 Galena, Argent  
 7987 Galena - Sphalerite  
 7988 Garnet Schist  
 7989 Gieseckite  
 7990 Glauberite  
 7991 Gold Ore  
 7992 Gonnardite  
 7993 Graftonite  
 7994 Graphite  
 7995 Grossularite  
 7

Animas Forks  
~~San Juan Co.~~

Howardsville  
 Custer, S. Dakota  
 Bancroft, Ontario  
 Salton Sea, Calif.  
 Red Mountain  
 Gignat, Puy-de-Dome,  
 Custer, S.D. France  
 Keystone, S.D.  
 Silverton, Colorado

7996 Hackmanite

H 7997 Halite

7998 Halotrichite

7999 Hastingsite

8000 ~~7999~~ Hemihedrite

8001 Hewettite and Barnesite

8002 Hexahydrite

8003 Hibonite

8004 Hillebrandtite

8005 Howieite

8006 Howlite

8007 Huebnerite

8008 Huntite

8009 Hureaulite

8010 Hydroboracite

8011 Hydroheterolite

8012 ~~8011~~ Hydroxylapatite

8013 Hydrozincite

Bancroft, Ont.

Wayne Co., Michigan

Borate, Calif.

Powderhorn, Colorado

Wickenburg, Arizona

Yellow Cat, Utah

Basque, B.C.

Ampangabe, Madag

Riverside, Calif.

Laytonville, Calif.

Lang, Calif.

Gladstone

Riverside, Calif.

Custer, S. Dakota

Kern Co., Calif.

Leadville, Colorado

Magnet Cove, Ark.

Mapimi, Durango, Mexico

8014 Idocrase  
8015 Ilsemanite

Riverside, Calif.  
Lida, Nevada

8016 Juanite

Powderhorn, Colorado

8017 Kaersutite  
8018 Kernite  
8019 Kurnakovite

Kingman, Arizona  
Boron, Calif.  
Boron, Calif.

8020 Lepidolite  
8021 Lindgrenite  
8022 Lithiophilite

Keystone, S.D.  
Globe, Arizona  
Custer, S. Dakota

scar 8023 Loellingite

~~(2 specimens)~~

Cobalt, Ontario

8024 Magnesiochromite  
8025 Magnesite  
8026 Manganankerite  
8027 Manganapatite  
8028 Marcasite  
8029 Marmatite

Coleraine, Quebec  
Riverside, Calif.  
Montezuma, Colorado  
Custer, S.D.  
Red Mountain, Col.  
Silverton, Col.

- 8030 Medmontite  
 8031 Melilite  
 8032 Meneghinite  
 8033 Merwinite  
 8034 Mesolite  
 8035 Microcline  
 8036 Microlite  
 8037 Mitridatite  
 8038 (2 specimens)  
 8039 Montebrasite  
 8040 (2 specimens)  
 8041 Monticellite  
 8042 Monzonite, Quartz  
 8043 Mottamite  
 8044 Muscovite  
 8045 Natroalunite  
 8046 (2 specimens)  
 8047 Natrolite  
 8048 Navanoite  
 8049 Norbergite  
 8050 Oligoclase  
 8051 Olivine  
 8052 Opal  
 8053 Orthoclase
- Copper Spur, Co  
 Powderhorn, Col.  
 Pacific Lime Quarry,  
 Riverside, Calif. Santa Cruz Co., Calif.  
 Bay of Fundy, N.S.  
 Custer, S.D.  
 Dixon, N.M.  
 Custer, S.D.  
 "  
 Custer, S.D.  
 Riverside, Calif.  
 Silverton, Colorado  
 Theba, Arizona  
 Custer, S. Dak.  
 Red Mt., Col.  
 Silverton, Col.  
 Springfield, Oregon  
 Ambrosta Lakes Dist., N.  
 Bancroft, Ontario  
 Quadeville, Ontario  
 Kilbourne Hole, N. Mex.  
 State Bridge, Col.  
 Custer, S. Dakota

- 8054 Parawollastonite Riverside, Calif.
- 8055 Pargasite Silverton, Col.
- 8056 (2 specimens) "
- 8057 Pennine Hancock, Michigan
- 8058 Pentlandite Sudbury, Ontario
- 8059 Percivalite Wausau, Wisconsin
- 8060 Petalite Bikitai, Rhodesia
- 8061 Phlogopite Tinton, S. Dak.
- 8062 Plattnerite Mapimi, Durango, Mex.
- 8063 Plombierite Riverside, Calif.
- 8064 Pollucite Custer, S.D.
- 8065 Priceite Death Valley, Calif.
- 8066 Prochlorite Chester, Vt.
- 8067 Purpurite Custer, S.D.
- 8068 Pyrite Silverton, Col.
- 8069 Pyrochroite Franklin, NJ.

- Q8070 Quartz Keystone, S.D.
- Q8071 Quartz, Rose ↖ ↗ Glendale, S.D. ↗
- Mex. 8072 Quartz, Latite 2 specimens Silverton, Col. "

- R 8073 Rhyolite, Silic. Red Mt., Col.
- 8075 Rhyolite, Porphyry Howardsville, Col.
- 8076 Rhodonite Silverton, Col.
- 8077 (2 specimens) Eureka
- 8078 Realgar Manhattan, Nev.
- 8079 Realgarite Delta Mine, Utah

- 8080 Rosasite Mapimi, Durango, Mexico  
 8081 Roscoelite Vanadium, Col.  
 8082 (2 specimens) "  
 8083 Rutherfordine (Very Rare) White Canyon, Utah  
  
 8084 Safflorite Cobalt, Ontario  
 8085 Sanbornite Rush Creek, Calif.  
 8086 Saponite San Paulo, Brazil  
 8087 Sarcopsidite Custer, S.D.  
 8088 Scawtite Riverside, California  
 8089 Schroekingerite Cisco, Utah  
 8090 (2 specimens) "  
 8091 Scorzalite Custer, S.D.  
 8092 (2 specimens) "  
 8093 Seybertite Mt. Pass, Calif.  
 8094 Shortite Westvaco, Wyo.  
 8095 Sicklerite Custer, S.D.  
 8096 (2 specimens) "  
 8097 Sklodowskite Cisco, Utah  
 8098 (2 specimens) "  
 8099 Smaltite Cobalt, Ontario  
 8100 Sphalerite Animas Forks,  
 8101 Spodumene Portland, Conn.  
 8102 (2 specimens) Keystone, S.D.  
 8103 Spurrite Riverside, Calif.  
 8104 Staurolite Custer, S.D.  
 8105 Steigerite Yellow Cat, Utah  
 8106 Stichtite Bou Offrouh, Maroc  
 8107 Stilbite Tenino, Wash.

8108 Zaibelyite

Riverside Calif. 7518

8109 Tactile

Silverton, Col.

8110 Tangeite

Egnar, Col. 8518

8111

(2 specimens)

8112 Tapiolite

Custer, S.D. 1518

8113 Tavorite

8114

(2 specimens)

Custer, S.D. 5218

8115 Thaumaside

8116

(2 specimens)

" 2218  
Silverton, Col.

8117 Thorite

Riverside, Calif. 7518

8118 Tilleyite

Bancroft, Ont. 7518

8119 Torbermoreite

Riverside, Calif.

8120 Tourmaline

Riverside, Calif.

8121 Triphylite

Custer, S.D. 1518

8122

(2 specimens)

Custer, S.D.

8123 Triplite

Keystone, S.D. 5518

8124 Trona

El Paso, Colorado 8518

8125 Tungstite

Searles Lake, Calif. 8518

8126 Tunnerite

Eladstone 0118

Leadville, Col.



8127 Uraninite La Sal Mtns., Utah

8128 Vermiculite Powderhorn, Col.

8129 Vesigniete Monument Valley, Ariz.  
8130 (2 specimens) "

8131 Volborthite (~~with Vesigniete~~) Egan, Cal.

8132 Volbo (2 specimens) "

8133 Vonsenite Riverside, Calif.

W 8134 Wickenburgite Wickenburg, Ariz.

8135 Wightmanite Riverside, Calif.

X 8136 Konotlite Riverside, Calif.

Z 8137 Zinkenite Silverton, Col.  
8138 (2 specimens) (Red mt. - ?)

8139 ~~Zinkenite~~ Silverton, Col.  
8140 (2 specimens) "

HSINI

#7900-8011 used  
twice for rocks.  
'A' series created to  
solve duplication

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#7914-8140 used for  
minerals also.  
some are triplicate  
numbers

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#8011-8216  
not used/missing

- 7900 Fossil leaves Genesee, Alberta R.E.F., 1970  
→ found in 6H-101F
- 7901 Cross-bed sandstone with rootlets from Genesee field trip, R.E.F., 1970
- 7902A&B Bornite, New Imperial Mines, Yukon
- 7903 Conglomerate, Cape Spear, Nfld. J. Folinsbee, 1970
- 7904 Amber in Coal, Gilman River, Hazen Lake, Ellesmere Island 18.  
VI. 63, Robin Leach
- 7905 Spinel-Magnetite Xtals North Nahanni, N.W.T. James M. Drummond  
(see letter)
- 7906 Ls Float (Intrasparite), Dev. of Miss., Jasper. L. MacDonald, 1970
- 7907-7910 Turbidites, Fluxoturbidites, etc. Cedar District Fm., Nanaimo Gp.,  
U. Cret. (Champanian) Bedwell Hbr., N. Pender Is., Georgia St.,  
B.C. Coll: R. Rahmani, 1968.
- 7911 ditto - Vesuvius Bay, Salt Spring Is., Georgia St., B.C.
- 7912 Precambrian basement core, Honolulu - Union Senex Creek, 10-28-98-9  
W5. Four salbs. (a) 4464 ft. (b) 4465 ft. (c) 4466 ft. (d) 4469 ft.  
total depth. R.A. Burwash, Feb. 25/71.
- 7913 Basement core, Union red earth 10-1-88-9 W5. 5 samples.  
(a) 4658 ft. (b) 4722 ft. (c) 4724 ft. (d) 4730 ft. (e) 4755 ft.  
total depth. R.A. Burwash, Feb. 25/71.
- 7914 (a-1) Miss. carbonates (Formation B) Talbot Lake, Jasper (300' below top)  
Rundle Gp.
- 7915 (a,b) Miss. Crinoidal Ls (Fm. C) Talbot Lake, Jasper, Rundle Gp.
- 7916 Miss. Oolitic Ls (Fm. C) Talbot Lake, Jasper
- 7917 (a-f) Sandy Ls, Altyn Fm., Pret. Cameron Lake Rd., Waterton
- 7918 Mudcracks, Apekunny Fm., Pret., Waterton area
- 7919 Algal Mound, Apekunny Fm., Pret., Waterton area
- 7920-7921 Intraformational Breccia, Grinell Fm., Waterton area
- 7922 Siyeh Fm. (Float), Waterton area
- 7923 Dolo, Andros Is. Palm Ham.
- 7924
- 7925 Dolo., Andros Is. Palm Ham.
- 7926 Dolo. with Subaerial Weathering Crust, Big Pine Key, Miami
- 7927 Red Algal, Subaerial Crust-thin Stromatolitic Gonolithic, Porites  
Summerland (Old Spanish Harbour) Key

7909v  
→ in ESB 106, EAS 231 LAB 4.

in ESB-106 ✓  
EAS 231 LAB 4

in ESB 106 (c)  
EAS 231  
LAB 5

in ESB 106 ✓  
EAS 231 LAB 3

- 7928 Eolianite, Bimini with LAM Weathering Crust  
7929 Crust Dolomitic, Sugar Loaf Key  
7930 Bryazoian Facies, Old Cutler Rd., S. Miami  
7931 Recent Bench Rock, Bimini  
7932  
7933 Elag., Bimini  
7934 S. Pigeon Cay, Bimini Lagoon  
7935 S. Cat. Cay  
7936 White Banks Sands  
7937 Cross Bank  
7938 Algal Mat., Sugar Loaf Key  
7939  
7940 Andros Mud at Shore, Florida Bay  
7941 Algal Mats, Crane Key  
7942 Concolithon Porites  
7943 Fr. Reef  
7944 E. Lag., Bimini  
7945a,b Kitchener Fm., N. of Creston, B.C., Hwy. No. 3, R.A.B. '59  
7946 Porphyroblastic gneiss, Margin of Rykert Catholith, 49°00'N, 116°36'W, R.A.B. '59  
7947 Biotite gneiss, Ezekiel Creek, W. of Kootenay R., R.A.B. '59  
7948 Garnet-muscovite schist, Ainsworth, B.C. R.A.B. '59  
7949 Garnet-muscovite schist, Ainsworth, B.C. R.A.B. '59  
7950 Gneiss with granitic dyke, SE of Proctor, Kootenay Lake, B.C. R.A.B. '60  
7951 Biotite gneiss, SE of Proctor, B.C. (on railway). R.A.B. '60 (Kootenay L. metamorphic belt)  
7952 Crystalline limestone, SE of Proctor, B.C. (on railway). R.A.B. '60  
7953 Contact hornfels, South margin of Bayonne batholith, B.C., Hwy #3, R.A.B. '66  
7954 Biotite-muscovite schist, B.C. Hwy #3 (Creston-Trail), Mi. 8 from Creston, R.A.B. '65

- 7955 Auzite andesite, B.C. Hwy #6, 6.2 mi S of courthouse in Nelson, R.A.B. '61
- 7956 Minette (dyke), 1 mile N of Boswell, B.C., mile 34.1 on road log Creston-Kootenay Bay, R.A.B. '60
- 7958 Biotite granite and pegmatite, 15.8 mi. N of Creston, B.C. R.A.B. '59 (Bayonne batholith)
- 7959 Diorite (with biotite porphyroblasts), 59.4 mi. from Trail on the road to Kettle R., B.C. R.A.B. '65
- 7960 Garnet-muscovite-biotite gneiss, felsic; 4.0 mi. S of ferry across Kootenay R., SW of Creston. R.A.B. '61
- 7961 Banded amphibolite and gneiss, Lardean Gp; 52.6 mi. N of Creston, B.C. 0.5 mi. from Kootenay ferry.
- 7962 Crowsnest Volcanics (with analcite), W of Coleman, Alta. R.A.B. '65
- 7963 Porphyritic biotite syenite; Ymir, B.C. R.A.B. '65
- 7964 Crowsnest Volcanics (with garnet), W of Coleman, Alta. R.A.B. '65
- 7965 2 mi. E of Kokanee Creek camp, B.C. R.A.B. '61
- 7966 Syenodiorite, Yersey Mine dump, Salmo, B.C. R.A.B. '61
- 7967 Biotite granodiorite (Nelson batholith); 2 mi. E of Kokanee Creek camp, B.C. R.A.B. '61
- 7968 Diorite sill (Purcell); 4 mi. S of Cranbrook, B.C., Hwy #3. R.A.B. '61
- 7969 Widely bedded
- 7970 UZU White River
- 7971 Tiger
- 7972 Ocoala #6 cu in amyg. basalt
- 7973 Oxide Cu Cg Bembletown Hill (Dum)
- 7974 Ocoala #6
- 7975 Centennial #3 amyg. basalt
- 7976 Cu in Cg Centennial #3
- 7977 Upper Transition
- 7978 Thinly bedded
- 7979 DGM
- 7980 Lower Transition

- 7981 Top Zone
- 7982 Endake Material
- 7983 Endako Material
- 7984 Copper-bearing conglomerate from Kingston conglomerate near Old Calumet lode, Keweenaw Copper Conference 1971
- 7985 Shungite (carbonaceous shale) from Precambrian of Karelin near Petrozarodsk present to persons on field trip, 1971
- 7986 Amber from coal mine, Belly River Fm. presented by entomologists studying insects in amber from lake in Manitoba where amber is rafted down the Saskatchewan.
- 7987 Silicified lufft 3/4 mi. N of Smoky tower on Goodwin - Hinton forestry road at wellsite: Ls 10-6-63-2N6 Map 83L.
- 7988 Ooliths (?) from 8th level Blue Bell Mine (1971 closing) 107°F CO<sub>2</sub> - H<sub>2</sub>O fountains.
- 7989 One sample from Kimberley, B.C.
- 7990 Magnetite, gold from Yukon - one of new roads across a creek. 3 types of placer gold, Noble, Oct. 20/58.
- 7991 Arctic Island Material for dating, B1 - L12(b) and B1 - L9A(a)
- 7992 Material from Arctic Red River Sill, 65°20'N; 131°17'N; Sill intruding Katherine Group
- 7993 Samples from Stedatna Creek Alaska
- 7994 Opal Winnie Robertson, Wisteria, B.C.
- 7995 Sandstone, Middle Edmonton, 1000' N of Creek, Water ditch at Gwynne outlet (Hwy #2 and Blackmud Ck.)
- 7996 LSD 3 Sec 5 Tp 5 Rge 1W5. Sandstone (Tuffaceous) White Mud Beds below Kneehills, Strawberry Ck.
- 7997 Sardinian leads from Dr. Valera
- 7998 Periglypta lagoonal shells collected in front of Montagu Beach Hotel, Nassau, March 12/66
- 7999 Anarthite Xtals from Kuttara
- 8000 Dinosaur (?) bone from Lance immediately above Kneehills Scollard R.E.F., 1964

- 8001 K-feldspar crystals from an outcrop SW of Penticton collected by Peter Peto
- 8002 Noboribetsu Hot Springs Oyunuma (Sulfur sphaeules)
- 8003 Glauconite Ellis Bay. W. Side Cape Henry
- 8004 Metallic object thought to be a meteorite, but isn't from Win Robertson
- 8005 Scoria in woods SE 14 Tp54 Rge 6W5 sent by Frank Engstrom (Wake Isle) who thought it was a meteorite
- 8006 Fe Silicon (apparently artificial) from 3 mi. N & W of Edson in 6 ft. deep from basement excavation RM Hardy & Assoc. Paul Kindiak ph. 482-3494 Thought to be a meteorite
- 8007 Pyritized conglomerate submitted as a meteorite.
- 8008 Fossil wood
- 8009 Lapis Lazuli, Sun Goosly Nadina Mt.
- 8010 Amethyst from north of Lake Superior from Van <sup>Vliets</sup> ~~Obets~~, 1971
- 8011
- 8012
- 8013
- 8014
- 8015
- 8016
- 8017
- 8018
- 8019
- 8020
- 8021
- 8022
- 8023
- 8024
- 8025
- 8026
- 8027
- 8028
- 8029
- 8030

8031 - 8215 : 8031 to 8140 duplicated  
or even triplicate  
R.A. Rahmani Thesis

8031

8032

June 1972

8033

8034

8035

8036

8037

8038

8039

8040



- 8216 Anorthite crystals; Kuttaro (see 785 series); collected by REF/1970
- 8217 3 biotermes, 2 quartzites; collected from Medicine Bow Mountains, Wyoming (one quartzite aluminum rich) *Spec. List in appendix of thesis*
- 8218 Woolverton Indian artifact collection (Ontario): arrowheads, adzes, spearhead.
- 8219 Moonstone (xp. gr. 2.628) from Karelea USSR Petrozavodsk excursion, REF/1971
- 8220 Calcareous algae from Montago Bay, Jamaica, REF/1972
- 8221 Zircon crystal. Renfrew district, Ontario, U. of A., museum experiment
- 8222 phosgenite (Pb, Cl)<sub>2</sub> CO<sub>3</sub> Monteponi, Sardinia from R. Valero May 1971 in exchange for rutilextae 1 spec from DAT
- 8223 Olivine sand; Hanauma Bay, Island of Oahu from Evelyn Deingman former secretary of Dept. of Geology.
- 8224 5 small sample compliments of A. Suhainam, Y. Hahasrabudhi 1 gc Excursion C10 Deccan, India
- 8225 Asbestos set (Cassier Asbestos Corp. Ltd.) donated by student, April, 1972 Clinton Creek, Y.T.
- 8226 East Tennessee Pb-Zn Low Temp. Sphalerite (cadmium-rich) iron-free premium electrolytic smelter-feed 10% Zn no Pb no As.
- 8227 *Malachite*
- 8228 GH *see cabinet # 36, label but no specimen.*
- 8229
- 8230 Recent Shell sand, Gulf of Mexico, 21 fathoms, 21° 46' N, 90° 36' W. Coll: J. Jansen
- 8231 Recent Starfish sand, Bramble Key, Gt. Barrier Reef.
- 8232 Recent Boiler Reef, Bermuda
- 8233 Brazeau ss, RR Wt, 1 mi. W. of Entrance, Alta.
- 8234 Algal Biscuits, Lake Constance. Coll: J. F. Lerbekmo
- 8235 Massive & tabular stromatoporoids, U. Dev. Reef. (Fore-Reef) Ls. Gaudernbach Quarry, E. of Koblenz, Germany
- 8236 U. Dev. Reef Ls (Massenkalk) (Attendorn Reef Complex) with Abundant Fibrous calcite void-filling cement, Wirebelau Quarry, near Dortmund, Germany
- 8237 Possible Dedolomite, U. Dev. Attendorn Reef, Weringhausen Quarry, near Dortmund, Germany
- 8238 Chaetetes (Solenoporoid Alga), U. Dev. Attendorn Reef.
- 8239 Massive Stromatoporoid, U. Dev. Balve Reef, Hohnne Valley, near Dortmund, Germany
- 8240 Tabular stroms, same loc. as 8239.
- 8241 Fore-Reef Ls, U. Dev. Iberg Reef, W. Harz Mts. near Bad Grund, Germany
- 8242 Crinoidal Ls with Impsonite (Anthracitic H-C) cavity filling.
- 8243 L. Muschelkalk Ls (Mitrias), SW of Heidelberg, Germany

perhaps in ✓ 8243  
Set pile in ESB-1-06.

in ESB 106  
EAS 231 LAB 37  
UBZ-7

- 8244 L. Muschelkalk Ls (Mitrias), SW of Heidelberg, Germany
- 8245 Sted Faults, " " " "
- 8246 Spiriferina Bed " " " "
- 8247 Oolite " " " "
- ✓ 8248 Dolomitized Stromatolite " " "
- ✓ 8249 Keuper Stubensandstein (U. Trias), Heilbronn Mts., near Stuttgart, Germany
- 8250 Keuper Shilfsandstein " " "
- 8251 Calamites roots, Keuper Marls, same loc.
- 8252 Mudcracks, Keuper Stubensandstein, same loc.
- 8253 Small scale trough x-lam, Keuper Schilfsandstein (Building stone), same loc.
- 8254 Uranium ore and altered ss, Wind R. Fm. (Eoc.) Utah Construction Pit, Shirley Basin, Wyoming
- 8255 Carbonate-Cemented Concretion, Wind River Fm. (Eoc.), Petrotoomic Uranium Pit, Shirley Basin, Wyo.
- 8256 Erickson ss mesaverde Fm. (U. Creta) near Point of rocks, west of Rawlins, Wyo.
- 8257 O. L. Shale, Tipton Mbr., Green R. Fm. (Eoc.) near Green River S. Wyo.
- 8258 Ostracod ss, " " " " " " " " "
- 8259 Zeolitized (Analcite) Tuff, " " " " " " "
- 8260 Gilsonite (Hydrocarbon), Little Bonanza Vein, S. Wyo.
- 8261 Green River ss (Eoc.), " " " "
- 8262 Rich oil shale, mahogany ledge mbr., ( 40 gals/ton) Green R. Fm., Piceance Cr., Piceance Basin, Colo.
- 8263 Kulm Graywacke (type graywacke) Bad Grund, Harz Mt., Germany
- 8264 Load cast (Ball & Pillow) Pree, Flathead area, B.C. Coll: R. Lane
- 8265 Basal Palliser Ls, Cold Sulphur Spring, near Jasper, Alberta.
- 8266 Intraformational shale pebble breccia.
- 8267 Silicified Ls, Ocala Fm, (Eocene) Ocala, Fla. (JFL)
- 8268 Bioclastic Ls, " " " " " "
- 8269 Halloysite? - Cemented ss, Miceosukee Fm (U. Mio.) Ocala, Fla (JFL)
- ✓ 8270 Stromatolitic LS (Pret) Dal Lk., NWT (126° 36'; 63° 13')
- 8271 Stromatolitic LS Franklin Mt. Fm. near Blackwater Lk., NWT (123° 09'; 64° 02')
- 8272 Onoolitic LS, Imperial Fm. (Dev.) Little Bear R. (NWT) ( 126° 30', 64° 30')
- 8273 "Pelletoidal" chert, Pre C, Diatrema fragment, Simpson Islands, Gt. Slave Lk. (R. Walker, 1972).
- 8274 Hematitic Sandstone, Sosan Gp., Simpson Is. Gt. Slave Lk. (R. Walker, 1972).
- 8275 Gypsum Weathering Crust, Tunisia (I. Campbell, 1970).

in ESB 106  
EAS 231 LAB 7

- 8276 Dolomite, Tunnel Mt. Fm., Mt. Greenock, Jasper (P. Fritz)
- 8277 Recent Lime Mud, Andros I., Bahamas (JFL, 1970)
- 8278 Recent Skeletal sand, French Reef, Florida Keys (JFL, 1970)
- 8279 Sylvinite Ore, Esterhazy, Sask. (JFL)
- 8280 Rock Salt (JFL)
- 8281
- 8282 Turner Valley Fm., Greenock, Jasper (JFL)
- 8283 Rundle Fm., Talbot Lake, Jasper (JFL)
- 8284 Miss. or Dev. Ls (Float) Jasper area (JFL)
- 8285 Basal Paleozoic Cgl, Kipling Tp, Ont. (D. Orr 1971).

Rm/0683 LABI ✓  
 EA5231

- 8286 Creta-Tert Boundary Tuff, LSD 10-6-63-2W6 (Richfield R.O. Corp. Sinclair A. Lator Wellsite) (D. Taylor).
- 8287
- 8288 Bentonite (1 ft. thick) Approx. 500' above main seam and 4 ft. above 8-ft. Tuff (8289), <sup>COAL VALLEY - STERCO</sup> Foothills Strip Pit. N. of Foothills, Alberta (Coll. JFL, '72).
- 8289 Tuff (8' thick) see 8288 for Location.
- 8290 Tuff (2' thick) approx. 100' below 8289.
- 8291 Sandstone, 40' below 8290.
- 8292 Basal Paskapoo-type Conglomeratic Sandstone ~45' above Bentonite 8288.
- 8293 Bentonitic Mudstone above Bentonite 8288.
- 8294 Bentonite (Lower 1' of 5' Bentonite), 17' above main coal in Strip Pit. 1/2 mile South of <sup>COAL VALLEY</sup> Foothills Strip Pit. (Coll. JFL. '72). <sub>STERCO</sub>
- 8295 Sandstone 1' above Paskapoo-type CGL approx. 80' above main Coal Seam at 8294 hoc.
- 8296 Sandstone ~75' above 8295.
- 8297 Encrusting red foram (Homotrema rubrum) Florida Keys (Coll. JFL, '69).
- 8298 Red alga (Goniolithon) and Finger coral (Porites) Florida Keys (JFL, '69).
- 8299 Red alga (Lithothamnion), beach gravel, Co. Galway, Ireland.
- 8300 Dasycladacean Alga? Tyndall Fm. (Tyndallstone) Ord.
- 8301 Limestone Ord?, Hudson Bay Lowlands?
- 8302 Bentonite. From 0.4' brown bentonite (same as 4943). Scollard Member. Scollard Canyon. 11-13-34-22W4. (JFL).
- 8303 Bentonite. From top (?) of 1.2' bentonite (cream) bed (same as 4944 & 4945). Scollard Member. Scollard Canyon. 11-13-34-22W4. (JFL).
- 8304 Bentonite. From bottom (?) of 1.2' bentonite (brown) bed (same as 4944 & 4945), ~100 yds. south of 8303 (at burned seam and pits). Scollard Member. Scollard Canyon. 11-13-34-22W4. (JFL).

POSSIBLY IN  
ESB 1-06; BACKTABLE/NOT USING

- 8305 Tuff. Kneehills Tuff. Scollard Canyon. 11-13-34-22W4 (same locality as 8302 to 8304). (JFL).
- 8306 Sandstone. Approx. 40' below Upper Ardley Coal Seam (U. Cret. Scollard Member). Hand Hills, Sec. NE1/4 21, Tp.30, R.17. (JFL).
- 8307 Sandstone. Approx. 25' above Upper Ardley Coal Seam (U. Cret. Scollard Member). Hand Hills, Sec. NE1/4 21, Tp.30, R.17, approx. 1200' east of 8307. (JFL).
- 8308 Sandstone. Edmonton Fm (?) or Paleocene (?). Approx. 200' below 8309 & 8310. Hand Hills, ~ Sec. 21, Tp.30, R.17. (JFL).
- 8309 Bentonitic Shale. 6 feet below 8310 (~ 200' above 8308). Edmonton Fm (?) or Paleocene (?). Hand Hills. ~ Sec.21, Tp.30, R.17. (JFL).
- 8310 Tuff (Kneehills?). 6' above 8309 (~ 200' above 8308). Hand Hills, ~ Sec.21, Tp.30, R.17. (JFL).
- 8311 Sandstone. Approx. 100' above Kneehills Tuff. Hand Hills. Tp.29, boundary between R.17 and 18. (JFL).
- 8312 Bentonite 24" thick (approx. 100' above a 60' sandstone bed which is the same sandstone bed as that shown by Gunther at 500' level in his section). Blackstone River. Southside along a Gully ~ 1/4 Mi E. of Bridge. (JFL).
- 8312a Bentonite 24" thick ( same bed as above, but taken approx. 3' eastward). (JFL).
- 8313 Bentonite 4" thick;  $21\frac{1}{2}$ " above 8312. Blackstone River. (JFL).
- 8314 Bentonite 2" thick; 33" above 8312. Blackstone River. (JFL).
- 8315 Bentonite 4" thick. 20 feet above 8314. Blackstone River (JFL).
- 8316 Tuffaceous sandstone and tuff. 10 feet above bottom of Coal Spur section near main coal in roadcut across valley from mine. (JFL).
- 8317 Bentonite (cream). 7'5" above 8316. (JFL).
- 8318 Bentonite (cream). 5 feet thick. Sample from top 18". 12' 11" above 8316. (JFL).
- 8319 Bentonite 17" thick. 31' 9" above 8316. (JFL).

- 8320 Bentonite 10" thick. 32' 1" above 8316. (JFL).
- 8321 Bentonite 11" thick. 39' 4" above 8316. (JFL).
- 8322 Sandstone 14' thick. 45' 11" above 8316. (JFL).
- X 8323 Sandstone. Brownish weathering. Paskapoo - type?  
Stratigraphically above the main coalseam at Coal Valley.  
Roadcut on the Forestry Trunk Road on west side of Coal-  
valley pit. Sec.34, Tp.47, R.20, W.5. (JFL).
- 8324 Sandstone. 30' above main coalseam. Coal Valley - Foot-  
hills (south end of pit). Boundary between Sec.25-47-20  
and Sec. 30-47-19. (JFL).
- 8325 Sandstone. 70' above main coal seam. Coal Valley. (JFL).
- 8326 Tuff. 91' " " " " " " (JFL).
- 8327 Bentonite. 123' above main coal seam. Coal Valley. (JFL).
- 8328 Bentonite. 149' " " " " " " (JFL).
- 8329 Tuff. 155' " " " " " " (JFL).
- 8330 Tuff. 165' " " " " " " (JFL).
- 8331 Tuff. 175' " " " " " " (JFL).
- 8332 Bentonite. 187' " " " " " " (JFL).
- 8333 Tuff. 257' " " " " " " (JFL).
- 8334 Tuff. 281' " " " " " " (JFL).
- 8335 Bentonite. 298' " " " " " " (same as 8288  
(JFL)).
- 8336 Sandstone. 344' " " " " " " (JFL).
- Sedimentary Zeolite Suite (8337-8348 - JFL).
- 8337 Erionite (25214): Pine Valley, Eureka Co., Nevada. Confirmed by XRD  
Oct./77.
- 8338 Chabazite (25310): Christmas, Gila Co., Arizona. Confirmed by XRD  
Aug/77.
- 8339 Clinoptilolite (25519): Horseshoe Dam, Maricopa Co., Arizona.  
Confirmed by XRD, Aug/77.
- 8340 Mordenite (25407): Trinity Basin, Pershing Co., Nevada. checked by  
XRD Sept. '77
- 8341 K-Feldspar (25802): Barstow, San Bernardino Co., California. checked by XRD, Sept/77  
probably Adularia.
- 8342 Chabazite (25308): Beaver Divide, Fremont Co., Wyoming Confirmed  
by XRD, Sept./77

- 8343 ~~Mordenite~~ <sup>ERIONITE</sup> (25419), Beatty, Nye Co., Nevada Indicates Erionite by xRD, Oct /77.
- 8344 Clinoptilolite (25518), Crooked Creek, Rome, Oregon, Malheur Co. <sup>Confirmed by xRD, Oct /77.</sup>
- 8345 Phillipsite (25705), Shoshone, Inyo Co., California checked by xRD Oct '77
- 8346 Clinoptilolite (25525), Castle Creek, Owyhee Co., Idaho <sup>Checked by xRD, Oct/77</sup>  
<sup>Indicates Clinoptilolite.</sup>
- 8347 Analcime (25607), Vernal, Dagget Co., Utah <sup>JGWS I drawer 8</sup> X-R-D indicates Analcime with Montmorillonite. Jan/78.
- 8348 Erionite (25211), Rome, Oregon, Malheur Co. Confirmed by xRD, Oct. /77.
- 8349 Green Beryl, green apatite, feldspar mount mica, Hanover, New Hampshire
- 8350 Tourmaline crystals
- 8351 Tourmaline, Prosperous Lake, N.W.T.
- 8352 Perthite
- 8353 Graphic granite, Haddam, Conn.  
Intergrowth of Smoky Quartz and Orthoclase with a few Mica Crystals.
- 8354 Tourmaline - muscovite intergrowth, Walmsley Lake, N.W.T.
- 8355 Tantalite concentrates, Peg Tantalum, N.W.T.
- 8356 Columbite in pegmatite, N.W.T., Yellowknife area
- 8357 Lepidolite from Mt. Apatite, Maine
- 8358 Euxenite in pegmatite
- 8359-8365 Shaft Creek Property, northern B.C., Dr. C.R. Stelck, 1970
- 8366 Sulphide ore (Cu) from Ingerbelle Open Pit, near Princeton, B.C. R.A. Burwash May 3, 1973
- 8367 Suite of ore and host rock samples from Craigmont Mine, May 4, 1973
- 8368 Suite of ore and host rock samples from Ironsides Open Pit, Granby Mining Co., Grand Forks, B.C. R.A. Burwash April 30/74.
- 8369 Ironsides Open Pit, Late felsic dyke. R.A. Burwash April 30/74. Granby Mining Co., Grand Forks, B.C.
- 8370 Afwillite, Crestmore Quarry, Riverside, California
- 8371 Anglesite, Bunker Hill & Sullivan Mine, Kellogg, Shoshone Co., Idaho

- 8372 Acanthite, Silver Wing Mine, Montezuma, Colorado  
8373 Antlerite, Chuquicamata, Chile  
8374 Attapulgit, Attapulgit, Ga.  
8375 Feldspar-albite-pericline, Trentino, Italy  
8376 Cabrerite, Kamareza, Laurium, Greece  
8377 Ekmanite, Brunsjogwan, near Lokabruk<sup>nd</sup>, Sweden  
8378 Betafite, Ambatofotsy, Madagascar  
8379 Berzelianite, Skrikerum, Sweden  
8380 Bertrandite, Boomer Mine, Tarryall, Colorado  
8381 Brookite, Magnet Cove, Ark.  
8382 Brazilianite, Corrego Frio, Sao Tome, Minas Gerais, Brazil  
8383 Cassiterite, Couto Mineiro, D'Aguieira Vianada, Castelo Dist., Portugal  
8384 Cobaltocalcite, Kambove, Katanga Province, Congo  
8385 Cebollite, Iron Hill, near Powderhorn, Colorado  
8386 Chalcophyllite, South Tolcarne Mine, Cornwall, England  
8387 Clinohumite, Crestmore Quarry, Riverside, California  
8388 Curite, Swambo, Katanga Province, Congo  
8389 Creedite, Santa Eulalia, Chihuahua, Mexico  
8390 Crandallite, Fairfield, Utah.  
8391 Cummingtonite, Central City, near Lead, S.D.  
8392 Native Copper, Calumet, Michigan (old no. Cu3)  
8393 Covellite, Leonard Mine, Butte, Silver Bow Co., Montana  
8394 Coffinite, Thompson, Utah  
8395 Colemanite, Ryan, Inyo Co., California  
8396 Cuspidine, Crestmore Quarry, Riverside, California  
8397 Dioptase, Altyn-Tube, Kirghese, Stepps, U.S.S.R.  
8398 Descloizite, Berg Aukas, Southwest Africa



- 8399 Dyscrasite, Belmont, Nevada
- 8400 Elpidite, Gjerdingen, Nordmarka, Norway
- 8401 Erionite, Eastgate, Nev.
- 8402 Enargite, Leonard Mine, Butte, Silver Bow Co., Montana
- 8403 Enargite, Belmont Mine, Butte, Silver Bow Co., Montana
- 8404 Enargite, Leonard Mine, Butte, Montana
- 8405 Gold Nugget, Swat Creek, north of Ellesburg, Washington
- 8406 Gay-Lussite, Sangerhausen, Saxony, Germany
- 8407 Glaucodot, Prairie City, Oregon
- 8408 Ganomalite, Crestmore Quarry, Riverside, California
- 8409 Hibonite, Fort Dauphin, Madagascar
- 8410 Halite, Sonderhausen, South Harz, Germany
- 8411 Hessite, near Oliver, B.C.
- 8412 Hollandite, Tangen, Hurdal, Norway
- 8413 Hydrohetaerolite, Wolftone Mine, Leadville, Colorado
- 8414 Hillebrandite, Crestmore Quarry, Riverside, California
- 8415 Idocrase, Lake Jaco, Chihuahua, Mexico
- 8416 Bastnaesite, Ambatofinandrahana District, Madagascar
- 8417 Joseite, near Hazelton, B.C., Canada
- 8418 Klockmannite, Skrikerum, Sweden
- 8419 Kyanite, Quizambilo, Caxito, Angola
- 8420 Levyne, Roseberg, Oregon
- 8421 Libethenite, M'sesa, Katanga, Congo Republic
- 8422 Loughlinitite, Westvaco, Wyo.
- 8423 Lawsonite, Old Reed Ranch, near Tiburon, California
- 8424 Lead, Langban, Sweden
- 8425 Libethenite, Wheal Unity, Gwennap, Cornwall, England
- 8426 Legrandite, Mina Ojvela, Mapimi, Durango, Mexico

- 8427 Litharge, Patagonia, Ariz.
- 8428 Manganaxinite, Parker Shaft, Franklin, Sussex Co., New Jersey
- 8429 Magnetoplumbite, Langban, Vermland, Sweden
- 8430 Magnetite, N.W. Territories (G.D. Williams, 1969)
- 8431 Miserite, Magnet Cove, Garland Co., Arkansas
- 8432 Natrolite, Aroy, Norway
- 8433 Olivenite, Gwennap, Cornwall, England
- 8434 Osumilite, Mackenzie Pass, Lane Country, Oregon
- 8435 Osmiridium, Norwich, Conn.
- 8436 Orthoclase, St. Gotthard, Switzerland
- 8437 Owyheeite, Hazelton, B.C., Canada
- 8438 Palygorskite, Texas, Penna.
- 8439 Palygorskite, Coeur d'Alene Mine, Metaline Falls, Washington
- 8440 Perovskite, Iron Hill, near Powderhorn, Colorado
- 8441 Plattnerite, Mina Ojuela, Mapimi, Durango, Mexico
- 8442 Pyrosmalite, Broken Hill, N.S.W.
- 8443 Pascoite, Blanding, Utah
- 8444 Pyrargyrite, Oberschlema, Saxony, Germany
- 8445 Palladium, Zwartsfontein, Transvaal, S. Africa
- 8446 Parsettensite, Parsettens Alpe, Grävanden, Switzerland
- 8447 Pumpellyite, Hancock Mine, Hancock, Mich.
- 8448 Parawollastonite, Crestmore Quarry, Riverside, California
- 8449 Quartz Fulgarite, White Sands, San Luis Co., Colorado
- 8450 Roscoelite, Vanadium, Colo.
- 8451 Stephanite, Freiberg, Saxony, Germany
- 8452 Sideronatriite, Hauntajaya, Tarapaca, Chile
- 8453 Native Silver, Highland Bell Mine, Beaverdell, Canada
- 8454 Sphalerite, Treece, Cherokee Co., Kansas

- 8455 Spinel, Magok, Burma
- 8456 Spadaite, Palos Verdes, California
- 8457 Searlesite, Westvaco, Wyo.
- 8458 Sulfur, Racalmuto, Sicily
- 8459 Stichtite, Kaapsche Hoop, Transvaal, S. Africa
- 8460 Sursassite, Woodstock, N.B.
- 8461 Scorodite, St. Day, Cornwall, England
- 8462 Stilbite, Paterson, New Jersey
- 8463 Stilbite, Paterson, New Jersey
- 8464 Stibnite, Bau, Province of Sarawak, Borneo
- 8465 Scorodite, Dartmoor, Devon, England
- 8466 Sphalerite, Brownley Hill, Nenthead, Cumberland, England
- 8467 Scorodite, Gold Hill Mine, Toelle Co., Utah
- 8468 Tennantite, Mt. Con Mine, Butte, Silver Bow Co., Montana
- 8469 Tellurobismuthite, Red Mt. Mine, Washington
- 8470 Torbernite, Vogtland, Saxony, Germany
- 8471 Tyuyamunite, Parco Mine, Yellow Cat district, Grand Co., Utah
- 8472 Thortveitite, Eretveit, Ireland, Norway
- 8473 Thorogummite, Belafa, Madagascar
- 8474 Tennantite, Steward Mine, Butte, Silver Bow Co., Montana
- 8475 Umangite, Habri, near Tisnov, Czechoslovakia
- 8476 Uranophane, Monument Valley, Arizona
- 8477 Vivianite, Blackbird Mine, Cobalt, Lemhi Co., Idaho
- 8478 Wurtzite, Belmont Mine, Butte, Silver Bow Co., Montana
- 8479 Wehrlite, near Hope, B.C.
- 8480 Woodruffite, Franklin, N.J.
- 8481 Zunyite, Quartzite, Yuma Co., Ariz.
- 8482 Tilasite, Langban, Vermland, Sweden

- 8483 Quartz ?
- 8484 <sup>CLINTONITE</sup>  
(Xanthophyllite), Crestmore Quarry, Riverside, California
- 8485 Apatite (Fluorapatite), Durango, Mexico
- 8486 Arsenopyrite, Adit on Old Claim, E. Windy Arm, Yukon
- 8487 Aragonite (marbles), 8th level, Hot Spring, Bluebell Mine, Riondel, B.C.
- 8488 Anthophyllite, Bamle, S. Norway R.D.M.
- 8489 Austinite, Mampi Durango, Mexico
- 8490 Adamite, Goodsprings, Nevada
- 8491 Awillite, Crestmore, Riverside Co., California
- 8492 <sup>SERPENTINE, var.</sup>  
Chrysotile (asbestos), Cassiar Asbestos Corp. Ltd., Clinton Creek, Yukon  
old no. 4272
- 8493 Adamite, Mina Ojuela, Mapimi, Durango, Mexico
- 8494 Awillite, Cushmore Quarry, Riverside, California
- 8495 Amblygonite, Peerless Mine, Keystone
- 8496 Feldspar-plagioclase-andesine, Mill Valley, California
- 8497\* [Andesite, Silverton, Colo.] not a mineral, no index card
- 8498 Anglesite, Kendall Mt. Mine, Silverton, Colo.
- 8499 Ankerite, Keystone, S.D.
- 8500 Augite, Powderhorn, Colo.
- 8501 Aurichalcite, Mapimi, Durango, Mexico
- 8502 Autunite, Hummer Mine, Paradox Valley, Montrose Co., Colo.
- 8503 Austinite, Gold Hill, Utah
- 8504 Axinite, Guerrero, Mexico
- 8505 Amphibole var. Gedrite, Bjordammen, Bamle, S. Norway (R.D.M. 1969)
- 8506 Amphibole var. Grunerite, Labrador, Canada (D.G.W.S. 1974)
- 8507 Apatite (chlorapatite and chlor-hydroxyapatite) Odegaardens Verk, Bamle, Norway
- 8508 Amphibole var. Actinolite, Ophir, Utah

- 8509 Allanite, Virginia (Ward's)
- 8510 Alunite, Marysvale, Utah (Ward's)
- 8511 Alabandite, Harshaw, Ariz. (Ward's)
- 8512 Riebeckite (amphibole), St. Peter's Dome, El Paso County, Colo.
- 8513 Amphibole var. Actinolite, Marin County, Calif. (Ward's 1945)
- 8514 Alum var. Tschermigite, Loc. Unknown
- 8515 Apatite crystals, Bedford Tp. Frontence Co., Ont. W.F. Ferrier  
1928
- 8516 Apatite Red, Sebastopol Tp., Ont.
- 8517 Amblygonite, near Keystone, S.D. (Ward's 1949) (Old no. 2034)
- 8518 Andalusite, White Mountain, Mono County, Calif.
- 8519 Annabergite, Churchill Co., Nev.
- 8520 Amphibole var. Grunerite, Champion Mine, Mich. (A.L. Lane)
- 8521 <sup>Calcite</sup>~~Ankerite~~, Kettle Point, Lake Huron near Sarnia (Patterson,  
Dec. 1936) *Checked by x-r-d (powder pattern) 8/2/77*
- 8522 Amblygonite (spodumene, etc.), Herb Lake, Grassy River, Manitoba  
(W.J. Dean to J.A.A. 1930)
- 8523 Analcite crystals, range south of Mt. Wrinkly Face, east of  
Okanagan Center, B.C. (D.A. Taylor 1934)
- 8524 Axinite, Los Gavilanos, Baja Calif., Mexico (Filer's, Calif.)
- 8525 Axinite, Meldon Quarry, Devon
- 8526 Axinite, Sonora, Mexico
- 8527 Axinite (cleavable), Roche, Cornwall, England
- 8528 Axinite, Skagit Bluffs, Hope-Princeton Hwy (L. Hills).
- 8529 Axinite, Cornillion (Isere), France (A.R. Pilpotts)
- 8530 Amphibole (manganiferous tremolite), New York (R. Mitchell 1972)

ENTRIES  
DATE

1975

## GEOLOGY 509/75. R.A. BURWASH.

- 8531 PURCELL SILL. B.C. Hwy 3, 11 MILES S. OF CRANBROOK,  
IN RAILWAY CUT. (a) COARSE PHASE (b) MEDIUM-GRAINED PHASE
- 8532 HORSETHIEF CREEK FARM, METAMORPHOSSED PYRITIC GRT,  
B.C. Hwy 3, BETWEEN BOSWELL AND GREY CREEK
- 8533 GRANITE, FINE-GRAINED, OUTCROP ON BEACH AT KOOTENAY BAY  
FERRY LANDING. RAB-75 AP 27
- 8534 PEGMATITE - B.C. Hwy. No. 3, APPROX. 1/2 MILE E. OF KOOTENAY  
BAY FERRY LANDING.
- 8535 GNEISS - WELL-BANDED BIOT.-QTZ.-FD. GNEISS - P. HOFSTEEENCE  
DATED LOCALITY (cf. 6150)
- 8536 SCHIST - GARNET - MUSCOVITE - BIOTITE - QUARTZ - AINSWORTH  
OLD BOAT LANDING RAMP.
- 8537 SUITE OF ORE SAMPLES FROM H. B. MINE, SALMON  
(a) X-1 ZONE ON 3600 LEVEL - SPHALERITE - CARBONATE COE  
(b) X-2 ZONE ON ~3400 LEVEL - SPHALERITE - CALENA, FINE-GRAINED  
(c) X-1 ZONE, 82 X-1 STAGE - HIGH-GRADE CALENA - SPHALERITE  
VERY FINE-GRAINED
- 8538 LATE BASIC DYKE, H. B. MINE, 82 X-1 STAGE
- 8539 ANDRESITE, PORPHYRITIC MONTROSE, B.C. (cf 6918)
- 8540 SUITE OF ORE SAMPLES FROM PHOENIX PROPERTY,  
IRONSIDES PIT
- 8541 SUITE OF ORE SAMPLES FROM PHOENIX PROPERTY,  
ORO DENORO PIT.
- 8542 PORPHYRY, SHINGLE CREEK, B.C. (cf M 6600)
- 8543 MASSIVE QUARTZ IN MUSCOVITE GRANITE. B.C. Hwy  
97. PACIFIC SILICA QUARRY, 23 MILES S. OF  
PENTICTON
- 8544 DIORITE. B.C. Hwy. 97. WOOD LAKE VIEWPOINTS  
15 MILES SOUTH OF VERNON B.C.
- 8545 SILLIMANITE - BIOTITE - QTZ. SCHIST, THOSE VALLEY G.P.

8546. Cataclastic gneiss. B.C. Hwy 3, Look-out E of Osoyoos.

8547. Diopside - biotite gneiss. Baishot Formation.  
B.C. Hwy 3A, 1 mi E of Crawford Bay

8548. Banded diopside calc-silicate and biotite-hornblende hornfels.  
Mt. Roberts Form. B.C. Hwy 3, SW of Paulson bridge (between Castlegar and Christina L.)

8549. Copper ore. Ironsides Pit, Phoenix, Granby Mining Co.  
Grand Forks - Greenwood, B.C.

8550. Mineralized garnet - actinolite - specularite skarn.  
Craigmont Mine, Merritt, B.C.

8551. Cataclastic hornblende - chlorite quartz monzonite.  
B.C. Hwy 3, Paulson Bridge (between Castlegar and Christina L.)

8552 BAKERITE, ~~Death~~<sup>Death</sup> Valley, Calif.

~~8553~~

8553 BARBOSALITE, Bull Moose mine, Custer, S.D.

8554 BARITE, Aspen mine, Silverton

8555 AMPHIBOLE, BARKEVIKITE, Hernandez, California.

3556 BASTNAESITE, Mountain Pass, California.

8557 BERYL, Tiptop mine, Custer, S.D.

- 8558 BERZELIANITE, Snikerum, Sweden.
- 8559 BINDHEIMITE, Manhattan, Nev.
- 8560 ~~MICA~~ BIOTITE, Helen Beryl mine, Custer, S.D.
- 8561 BORACITE, Lunneberg, Hanover, Germany
- 8562 BORNITE, Silver Wing Mine, Eureka, San Juan, Co.
- 8563 BRAITSCHITE, Cane Creek Mine, near Moab, Utah.
- 8564 BRAVOITE, Rico, Colorado.
- 8565 FELDSPAR-BYTOWNITE, Duluth, Minn.
- 8566 BARITE, Styggedalen, Bamle, S. Norway.
- 8567 BARITE, From the sulphide concentrates from McLeod R. Dredge.  
J. Bocoock 1932
- 8568 BARITE NODULES, S.W. Milestone, Sask. and Bearpaw, Note Kev Cr.  
near Caddillac, Sask.
- 8569 BEMENTITE, American Tunnel, Silverton, Colorado. (Allens Min.)
- 8570 BERYL, (VAR. EMERALD), Minne, Eidsvol, Norway.
- 8571 BERYLLONITE, Stoncham, Maine, U.S.A. (R.D. MORTON)
- 8572 BISMUTITE, Alto Ligonha, Mozambique



- 8573 BRUCITE, Snarum Verk, near Vikersund. S. Norway
- 8574 BYSTRÖMITE, El Antimonio, Sonora, Mexico.
- 8575 BIKITAITE, unknown. x-ray 14-168
- 8576 BARITE, Rouge Mt., Upper Carajou R. N.W.T., about 50 miles from  
Normanwells.
- 8577 PYROXENE, var. AUGITE, Teneriffe, Canary Islands. (Ward's)
- 8578 BERYL, var. MORGANITE, Governador Valadares, Minas Gerais, Brazil.
- 8579 BERYL, var. AQUAMARINE, Minas Gerais, Brazil.
- 8580 CALCITE, Aspen mine, Silverton, Colorado.
- 8581 CALCITE, Ashover, Darbyshire, England.
- 8582 CALCITE, Pine Point, N.W.T.
- 8583 biotite granite, U of A Landscaping, 1975 Portugal (?)
- 8584 basalt, olivine Cuicuilco, Mexico City, Mexico  
HAK Charlesworth, Oct. 1968
- 8585 pegmatite, microcline, biotite. Metasomatic. Viking Lake,  
Sask G Bird thesis area, RAB-66
- 8586 gneiss, finely banded, contorted, Kuskanook, B.C.  
Roof pendant. RAB-60 Apr. 29. Geol. 507
- 8587 CALCITE on Dolomite, Pine Point, N.W.T.

- 8588 CALAVERITE, Cripple Creek, Colorado. (U.S. Nat. Museum 1936)
- 8589 ~~CALAMINE~~ Hemimorphite, Sao Paulo, Brazil.
- 8590 CARNOTITE, Price, Utah.
- 8591 CEBOLLITE, Iron Hill, near Powderhorn, Colo.
- 8592 CHALCANTHITE, Lida, Nevada.
- 8593 CHALCOCITE, Silver Wing Mine, Eureka, San Juan Co., Colo.
- 8594 CHALCOPYRITE, Champion Mine, Silverton, Colorado.
- 8595 CHLORARGYRITE, Belmont, Nevada.
- 8596 CHLOROPHAEITE, Pershing, Colo.
- 8597 CHRYSOCOLLA, Globe, Ariz.
- 8598 CLEAVELANDITE, Etta Mine, Keystone, South Dakota.
- 8599 CLINOCHLORE, Brewster, N.Y.
- 8600 CLINOCLASE, Mayer, Ariz.
- 8601 CLINOHUMITE, Crestmore Quarry, Riverside, Calif.
- 8602 CLINOZOISITE, Guerrero, Baja Calif., Mexico.

- 8603 COLLINSITE, Lake Francois, B.C.
- 8604 COLUMBITE, Custer, S. Dakota.
- 8605 COLUMBITE, Helen Beryl Mine, Custer, S. Dakota.
- 8606 COPIAPITE, Borate, California.
- 8607 CRANDALLITE, Fairfield, Utah.
- 8608 CROCIDOLITE, Encampment, Wyo.
- 8609 CUPRITE, Ajo, Arizona.
- 8610 CUSPIDINE, Crestmore Quarry, Riverside, California.
8611. APOPHYLLITE, Gaspé Copper Co., Murdochville, Gaspé Peninsula, Quebec.
8612. AMPHIBOLE, var. CROSSITE, Contra Costa Co., California.
8613. CARNOTITE, Quadra Id. B.C. (C.E. White, 1933).
8614. CARNOTITE, Paradox Valley, Montrose Co., Colorado
8615. CARNOTITE, Cripple Creek Lode, Long Park, N. side East Paradox Valley,  
Montrose Co., Col. U.S.
8616. CASSITERITE, Amonde, Vianda Castelo Dist., Portugal
8617. CASSITERITE, Taylor Creek District, New Mexico.

- 8618 CASSITERITE in Limonite, Gorman District, Kern County, Calif.
- 8619 CASSITERITE, Lode Tin Ore, Harts Mine, Torrington, N.S. Wales.
- 8620 CELESTITE, Bagot, Que. (From G.S.C. 1938).
- 8621 CELESTITE xl, Matahuela, S.L.P. Mexico.
- 8622 CERUSSITE, Tsumeb, S.W. Africa.
- 8623 CERUSSITE, Mibladen, Maroc.
- 8624 CHALCANTHITE, White Canyon, Utah.
- 8625 CHALCOPHANITE, Stirling Hill, Sussex Co., New Jersey, U.S. A.
- 8626 CHALCOPHANITE (micro xls) Campbell Shaft, Bisbee, Cochise Co.,  
Arizona.
- 8627 CHROMITE (crystals!) Wood's Mine, near Texas, Lancaster Co., Penn. U.S.
- 8628 CLAUSTHALITE, Ranwick Mine, Sault Ste. Marie, Ont.
- 8629 COLLOPHANE, Loc. unknown, From A. van Hoek, oct 1936, Oliver, Alberta.
- 8630 COPIAPITE, Copiapo, Chile.
- 8631 COPPER, (off Cu 12) Quincy, Lake Superior Cu ore (49)
- 8632 COPPER, Calumet, Michigan, U.S. A.

- 633 CORUNDUM, India.
- 8634 CUPROTUNGSTITE, Sonora, Mexico.
- 8635 CUSPIDINE, (CUSTERITE) Crestmore, California.
- 8636 BENITOITE xls, Dallas Gem Mine, San Benito Co., California.
- 8637 CHROMITE, Coleraine, Ont.
- 8638 CASSITERITE, Stream Tin, Emmaville, New South Wales
- 8639 CASSITERITE, Loc ? , L.H. Cole, 1948. (Part of no. 1960).
- 8640 COPPER octahedrons, Redruth, Cornwall, England.
- 8641 CHRYSOBERYL, Ragged Jack, Maine. A. Harcourt, Oct. 1933.
- 8642 CHALCOPYRITE SPHENOIDS on Dolomite Crystals, (Tri-State District).
- 8643 NATIVE CUPPER, Coppermine River, N.W.T. (Pres. by J. Calhoun per  
J. Kelso, 1931) Cullä
- 8644 - 8844 Reserve R. E. FOLINSBEE see Folmsbee book p55-62
- 8845 DANALITE, Cumberland, R.I.
- 8846 DEERITE, Laytonville, Calif.
- 8847 DELESSITE, (Chlorite group), State Bridge, Colo.

- 8848 DIALLAGE, Passo del Bracco, Italy. (var. of Pyroxene)
- 8849 DYSCRASITE, Belmont, Nevada.
- 8850 DESCLOIZITE, Goodsprings, Nevada.
- 8851 DIAMOND, Kasai District, Belgian Congo.
- 8852 DUMORTIERITE, loc. unknown.
- 8853 DOMEYKITE, Keweenaw Co., Michigan.
- 8854 DUFRENITE, Rockbridge County, Virginia.
- 8855 CALCITE crystals, Tri-State District.
- 8856 "RUBY" and "BLACKJACK", SPHALERITE CRYSTALS, Tri-State District.
- 8857 MARCASITE CRYSTALS, Tri-State District.
- 8858 IRRIDESCENT SPHALERITE, Tri-State District.
- 8859 GALENA CRYSTALS, Tri-State District.
- 8860 GALENA, Octahedral Crystals, Tri-State District.
- 8861 <sup>part of 5017</sup> SPHALERITE in Calcite, Pine Point, Great Slave Lake, N.W.T. <sup>J.D.B. Hills</sup> ~~(R.F.F.)~~
- 8862 <sup>part of 5017</sup> SHHALERITE, GALENA, DOLOMITE, Pine Point, Great Slave Lake, N.W.T., J.D.B. Hills

- part of 5017  
8863 GALENA, SPHALERITE, Pine Point, Great Slave Lake, N.W.T. (J.D.B. Hills)
- part of 5017  
8864 GALENA, SPHALERITE (banded), Pine Point, Great Slave Lake, N.W.T. ↓
- part of 5017  
8865 SPHALERITE (disseminated in dolomite), Galena. Pine Point,  
Great Slave Lake, N.W.T. (J.D.B.H.)
- part of 5017  
8866 SPHALERITE, GALENA, Pine Point, Great Slave Lake, N.W.T. (J.D.B. Hills)
- 8867 DOLOMITE, Pine Point, N.W.T., R.D. MORTON and D.G.W. SMITH
- 8868 ~~DOLOMITE (curved face) Kicking Horse Mine, Field, B.C., J.E. Joyce.~~  
DOLOMITE, Airdrie, W.M. Wilson, 1930.
- 8869 ALUM crystals, Killstain.
- 8870 CHALCOSTIBITE, E. side Jubilee Mountain, Spillamackeen, B.C.  
Presented Mr. Lerbekmo, Aug 1959.
- 8871 b Knotted schist (cordierite). a Quartz - sericite  
schist, Buckham Lake area. David Hughes  
Nov., 1975 (about 50 mi E. of  
Yellowknife)
- 8872 fragment of above
- 8873 Diabase dike - 1 in., Buckham Lake area.  
David Hughes, Nov., 1975.
- 8874 Altered diabase dike of 8873
- 8875 Andalusite - muscovite - quartz - pyrite vein  
material (assoc. with gold) Buckham Lake area  
David Hughes, Nov., 1975.
- 8876 Quartz - carbonate vein, Buckham Lake area  
David Hughes, Nov., 1975.
- 8877 Altered wall rock (epidosite) Buckham Lake area  
David Hughes, Nov., 1975.

- 8878 fragment from 8875
- 8879 frag. from 8875
- 8880 frag. from 8875
- 8881 frag. from 8875
- 8882 <sup>part of 5017</sup> SPHALERITE, Pine Point, Great Slave Lake, N.W.T. (J.D.B. Hills)
- 8883 DIOPTASE xls with Wulfenite and Cerrusite, Arizona.
- 8884 DESCLOIZITE, Grootfontein, Southwest Africa.
- 8885 CHLORITE, var. Ripidolite, var. Aphrosiderite, Baraga county, Michigan.
- 8886 ELLESTADITE, Crestmore, California. (~~Apatite group~~)
- 8887 ELLESTADITE, Crestmore Quarry, Riverside, Calif. (~~Apatite gr.~~)
- 8888 ELLSWORTHITE, Bancroft, Ont.
- 8889 EPIDOTE, Bluelight claim, Silverton.
- 8890 EPSOMITE, Basque, B.C.
- 8891 ERIONITE, Eastgate, Nevada.
- 8892 VANADINITE, var. 2  
ENDLICHITE xls, Sierra de los Lamentos, Chihuahua, Mexico.
- 8893 CORUNDUM, var. Ruby, Sillimanite, var. Fibrolite, Blakstad gård, Arendal, S. Norway. R.D. Morton.



8894 CORUNDUM, var. Ruby, Blakstad gård, Arendal, S. Norway. (R.D. Morto.

8895 FUCHSITE, var. of Muscovite, Blakstad gård, Arendal, S. Norway. (R.D. Mort  
(some ~~R~~ Ruby Corundum also present,

8896 ERYTHRITE, Vie 2, Contact Lake, Great Bear District. Moody 1932.

8897 EUCRYPTITE, ~~FAYALITE~~ Loc. unknown.

8898 EPIDOTE, Windham Co., Vermont. Purchased May 1938 from World Min. Supply Co

8899 EUDIALYTE, Magnet Cove, Arkansas. (Ward's)

8900 FAMATINITE, Goldfield, Nev.

8901 FAYALITE, Fremont Co., Colo.

8902 FERNANDINITE, Cactus Rat mine, Yellow Cat, Utah.

8903 FERRIERITE, Kamloops, B.C.

8904 FERRISICKLERITE, Bull Moose mine, Custer, S. Dakota.

8905 FERRISICKLERITE, Custer, S. Dakota.

8906. FLUOBORITE, Amboy, California.

8907. FLUORITE, Aspen mine, Silverton, Colorado.

8908. FORSTERITE, Crestmore Quarry, Riverside, California.

- 8709. FOSHAGITE, Riverside, California.
- 8910. FRESNOITE, Esquire #2 mine, Rush Creek, Fresno Co., Calif.
- 8911. FERBERITE, Boulder County, Colorado.
- 8912. FORSTERITE, (+spinel and calcite) Bancroft, Ontario.
- 8913. FLUORITE, Porcupine Silver Mine, 1<sup>st</sup> Discovery, Port Arthur District, Ont.
- 8914. FLUORITE, 2 spec., locality unknown.
- 8915. FLUORITE, near Rosiclare, Illinois, U.S.
- 8916. (764) FERRIERITE, From J.A.A. desk June 19, 1939. Said to come from original type loc. Kamloops, B.C.
- 8917. FLUORITE with Barite, Saxony.
- 8918. FLUORITE with Calcite, Wilberforce, Ontario.
- 8919. OLIGOCLASE (Feldspar), Quadeville, Ont.
- 8920. ORTHOCLASE (Feldspar) Custer, S. Dakota.
- 8921. OLIGOCLASE (Feldspar) Havredal Pegmatite, Bamle, S. Norway. R.D. Morton
- 8922. FELDSPAR, (Plagioclase) from Quartz-Plagioclase Pegmatite in lower Amphibolite gneisses near Bolga, Kristiansund N, W. Norway. R.D. Morton
- 8923. FELDSPAR, var. Peristerite, India. (7702, old listing).

- 8924 FELDSPAR, var. Microcline, Tordal?, Norway. R.D. Morton?
- 8925 FELDSPAR, var. Microcline, Ross Mine, Custer, S. D.
- 8926 FELDSPAR, var. Bytownite, Crystal Bay, Minnesota.
- 8927 FELDSPAR, var. Anorthoclase, Larvik, Norway.
- 8928 FELDSPAR, var. Anorthite with Pyroxene, Grass Valley, California.
- 8929 (M500)  
-17. FELDSPAR, var. Microcline and Magnetite, Old dump, Franklin Furnace,  
New Jersey. (Russell)
- 8930 FRANKLINITE and Tephroite?, Franklin Furnace, New Jersey, U.S.A.
- 8931 ENARGITE crystals, Butte Copper Mine, Butte, Montana.
- 8932 GALENA, ARGENT, Columbia mine, ~~Animas~~<sup>Animas</sup> Forks, San Juan Co.
- 8933 GALENA - SPHALERITE, Osceola mine, Howardsville, San Juan Co.
- 8934 GARNET SCHIST (host rock) Custer, S. Dakota.
- 8935 GIESECKITE, Bancroft, Ontario.
- 8936 GLAUBERITE, Salton Sea, California.
- 8937 GOLD ORE, Idarado mine, Red Mountain, San Juan Co.
- 8938 GONNARDITE, Signat, Puy-de-Dome, France.

- 8939 GRAFTONITE, Ross mine, Custer, S. Dakota.
- 8940 GRIPHITE, Everly mine, Harney, near Keystone, S. Dakota.
- 8941 GROSSULARITE, Silverton, Colorado.
- 8942 GLAUBERITE, Villarubia de Santiago, Toledo Province, Spain.
- 8943 GOETHITE, St. Just, Cornwall, G.B. (R.D. Morton)
- 8944 GRATONITE xls, Cerro de Pasco, Peru. ~~3~~
- 8945 GEIKIELITE, Wakefield, P. Q.
- 8946 GUMMITE, Great Bear Lake, N.W.T.
- 8947 GARNET, var. Grossular?, Hackett River, N.W.T. (Bathurst Norsemine)
- 8948 part of 4273 QUARTZ crystal group with  
~~SPHALERITE, var~~ Pyrrhotite and Sphalerite, var. Marmatite  
Blue Bell Mine, Riondel, B.C. (R.A. Burwash, 1960)
- 8949 part of 4273 QUARTZ crystal group with Pyrrhotite crystal (and Sphalerite, var. Marmatite)  
Blue Bell Mine, Riondel, B.C. (R.A. Burwash, 1960)
- 8950 part of 4273 QUARTZ crystal group with Calcite (Pyrrhotite)  
Blue Bell Mine, Riondel, B.C. (R.A. Burwash, 1960)
- 8951 part of 4273 QUARTZ crystal group, 18cm long, Blue Bell Mine, Riondel, B.C.  
(R.A. Burwash, 1960)
- 8952 PYRRHOTITE, Oscillations on prism, Blue Bell Mine, Riondel, B.C.  
G. Sutherland
- 8953 PYRRHOTITE, Base and hexagonal prism, Blue Bell Mine, Riondel, B.C.  
G. Sutherland.

- 8954 GARNIERITE, Noumea, New Caledonia.
- 8955 GALENA, Slocan mine, B.C., W. Thomlinson, New Denver, B.C.
- 8956 GARNET, var. Schorlomite and Thomsonite, Ice River, B.C.
- 8957 GALENA with Sphalerite, Emerald Mine, Salmo, B.C. E.T. Lonergan, Febr '58
- 8958 GALENA, Beaver Mine, Slocan District, E.T. Lonergan, Febr '58  
near Kaslo, Beaver Mt.
- 8959 NATIVE COPPER, Quincy Mine, Massachusetts, U.S.
- 8960 - 8971 Specimens ~~of~~ sulfur, <sup>from N. of Death Valley, and</sup> colemanite, ~~and~~ ulexite, from Boron, Cal., Collected by Dr. Gordon D. Williams, 1967.
- 8960 sulfur, massive Mine N. of Death Valley, Cal.
- 8961 sulfur, massive " " " "
- 8962 sulfur, massive " " " "
- 8963 ulexite
- 8964
- 8965
- 8966
- 8967
- 8968

8969

8970

8971 Colemanite &amp; ulexite

8972 GYPSUM, var. Selenite, Piercement domes, Evaporite Richardson Mts.

8973 GYPSUM, var. Selenite, Bearpaw Shale, S. branch Willow Crk.

West Porcupine Hills. By S.G. Coultis.

8974 GYPSUM crystals, var. Selenite. From S.H. Gray Bluesky P.O., Edge of  
Burnt River. (says 20 per cu.)

8975 GARNET, var. Grossular, etc., New Imperial Mine, Near White horse, Yukon

8976 GARNET (Rock), var. Andradite, Hastings Co., Tudor Tp., Ont. Geol. Surv.

8977 GARNET, var. Andradite, with Sulphides, Rico, Colorado. H. Wright 1931.

8978 GARNET, var. Almandine - Graphic intergrowth with Quartz.

Rørholt Fjord, Bamle, S. Norway. - R.D. MORTON.

8979 GALENA, (with Sphalerite, etc.), Pine Point, N.W.T. (from Pit # N-38 A.  
Presented by R.D. MORTON & D.E.W. Smith

8980 NATIVE COPPER, Michigan. Off big sample Cu 16.

8981 <sup>Off sample Cu 42</sup> Dendritic crystals of NATIVE COPPER, Bisbee, Arizona. Dr. James Douglas8982 <sup>Off sample Cu 27</sup> AZURITE, Bisbee, Arizona. Dr. James Douglas of Phelps-Dodge Min. Co.8983 GYPSUM, var. Selenite (and chalcocopyrite), Victoria Mine, Britannia Beach.  
H. Howey. (Forbes Thesis, 1937.)

- 84 GYPSUM, Rock Lake dist, N.E. edge Jasper park. W.W. Rutter Jan 1931.
- 8985 GYPSUM, N.A.R. water reservoir, Belloy, Alta. R.L.R. 1929.
- 8986 GARNET, var. Almandite, Hidachi, Japan. (Foote, Philad'a).
- 8987 GARNET, var. Grossular (Hessonite), Bishop, California. (old no. 2034).
- 8988 GARNET, var. Andradite (Melanite), Bear Creek Mine, San Benito Co., Calif.
- 8989 ANALCIME (Analcite), West Coleman - on gas pipeline E. of Star Creek at first high<sup>rock</sup> cut, Crowsnest Volcanics. D.A. Taylor.
- 8990 GYPSUM, var. Selenite, N. on Hwy. 730 (N. of Fairview) 1/10 mi. before turning W. to Eureka R. In small sh. etc. on E. side of road. D.A. Taylor.
- 8991 GYPSUM, var. Selenite, same loc. as 8990.
- 8992 GYPSUM, var. Selenite, same loc. as 8990.
- 8993 HACKMANITE, Bancroft, Ontario. var. of Sodalite.
- 8994 HALITE, Wayne Co., Michigan.
- 8995 HALOTRICHITE, Sulfur Hole, Borate, California.
- 8996 HASTINGSITE, Powderhorn, Colorado.
- 8997 HEMIHDRITE, Potter claim, Wickenburg, Arizona.
- 8998 HOWIEITE, Laytonville, Mendocino Co., California. (sample put in Surplus coll. for exchange.)

3999 WELOGANITE, from type locality, St.-Michel, Montréal Is., Québec.  
Ref: Sabina et al., (1968) Canadian Mineralogist, Vol. 9, 468-477.

9000-9300 Reserved for R.E. FOLINSBEE see REF index pp 62-71

9301 HEMIHDRITE xls and PHOENICOCHROITE, Rat Tail Claim,  
near Wickenburg, Maricopa Co., Arizona.

9302 HEMIMORPHITE, Mina Ojuela, Mapimi, Durango, Mexico.

9303 HEWETTITE and BARNESITE, Cactus Rat Mine, Yellow Cat, Utah.

9304 HEXAHYDRITE, Basque, B.C.

9305 HUEBNERITE, Adams mine, Gladstone. San Juan Co.

9306 HEMATITE, Rio Marina, Island of Elba.

9307 HEMATITE, Crystals in quartz, Palo Verde, California.

9308 HEMATITE, Helen Mine, Ontario, G.S.C. 1947.

9309 HOWLITE, Borate, California. R.P. Miller.

9310 carbonatite, Lonnie, Mangon Creek, B.C.  
Tony Rich, 1967, TR-67

9311 carbonatite, Lonnie, Mangon Creek B.C.  
Tony Rich, 1967 TR-67

9312 HIBONITE, Ampangabe, Madagascar.

9313 HILLEBRANDITE, Crestmore Quarry, Riverside, California.



- 9314 HOWIEITE, Laytonville, California.
- 9315 HOWLITE, Lang, California.
- 9316 HUNTITE, Crestmore Quarry, Riverside, California.
- 9317 HUREAULITE, Custer, S. Dakota.
- 9318 HYDROBORACITE, Kern Co., California.
- 9319 HYDRO~~HETEROLITE~~<sup>PH</sup> HETEROLITE, Wolfstone Mine, Leadville, Colo. (Sample put in exchange coll.)
- 9320 HYDROXYL-APATITE, Magnet Cove, Ark.
- 9321 HYDROZINCITE, Mina Ojuela, Mapimi, Durango, Mexico.
- 9322 FELDSPAR, var. Cleavelandite, Strickland Quarry, Middleton, Conn.  
Pres. by M.E. Hurst, 1929.
- 9323 IDOCRASE, Crestmore Quarry, Riverside, California.
- 9324 ILSEMANNITE, Lida, Nevada.
- 9325 JUANITE, Iron Hill, near Powderhorn, Colo.
- 9326 KAERSUTITE, var. of Amphibole, Kingman, Arizona.
- 9327 KERNITE, Boron, California
- 9328 KURNAKOVITE, Boron, California.

- 9329 ILMENITE, St. Urban's, Que. (Bought from Dept. of Mines, Ottawa, Dec. 1943)
- 9330 INYOITE & MEYERHOFFERITE, Mt. Blanco, Death Valley, California.  
Wm. Foshag.
- 9331 JAMESONITE, Bournonite & Arsenopyrite, Mina Noche Buena,  
Mazapil, Zacatecas, Mexico.
- 9332 KALIBORITE, Barcelona, Spain.
- 9333 KAOLIN, England. (In Dept. for many years moved to hall Dec. 44.  
No label. J.A.A. says came from England with pottery samples.)
- 9334 KORNERUPINE, Lac Ste. Marie, Quebec. (Donald Hogarth, 1958).
- 9335 KORNERUPINE, Bjordammen, Hullvann, Bamle, S. Norway. (R.D. Morton).
- 9336 LAUMONTITE, Patterson, New Jersey.
- 9337 LAUMONTITE, Crestmore, Riverside Co., California.
- 9338 LAUMONTITE, Tete, Mozambique.
- 9339 LAZULITE, Blow River, near Mt. Fitton, Yukon. by B. Cameron.
- 9340 LAZULITE, Tarnowitz Silesia, Madrid.
- 9341 LEPIDOLITE, Tørdal, S. Norway. R.D. MORTON.
- 9342 LEPIDOLITE, White Cap Mine, Keystone, S.D.
- 9343 LINDBRENITE, Open Pit, Globe, Arizona.

- 9344 LITHIOPHILITE, Custer, S. Dakota.
- 9345 LOELLINGITE, Cobalt, Ontario.
- 9346 LEUCITE in Lava, Civita Castellana, Latium, Italy.
- 9347 LEVYNITE xls, Mt. Vernon, Grant Co., Oregon.
- 9348 LINARITE (blue), Beaver Mine, Slocan District, near Kaslo, Beaver Mt.  
E.T. Lonergan, Feb. 5
- 9349 LINDGRENITE, The Open Pit, Inspiration, Gila Co., Arizona.
- 9350 LIMONITE, Mulaga, Cuba. (old no. 2576) No.
- 9351 LIMONITE, (yellow ochre) St. Malo, Champlain Co., Quebec.
- 9352 KRÖNKITE, Chuquicamata, Chili. (Foote)
- 9353 IODARGYRITE (Iodyrite), Tonopah, Nevada
- 9354 LAZULITE, N.W.T. Tidsbury /49
- 9355 CHABAZITE, Melbourne, Victoria, Australia.
- 9356 CUMENGÉITE, Boleo, Mexico.
- 9357 KYANITE and Staurolite, <sup>Pizzo Forno, near St.</sup> Gothard, Switzerland.
- 9358 KYANITE, Pizzo Forno, near St. Gothard, Switzerland.

- 9359 MAGNESIOCHROMITE, Coleraine, Quebec.
- 9360 MAGNESITE, Crestmore Quarry, Riverside, Calif.
- 9361 ANKERITE, var.  $\rightarrow$   
MANGANANKERITE, Montezuma, Colorado.
- 9362 APATITE, var.  $\rightarrow$   
MANGAN APATITE, Helen Beryl mine, Custer, S. D.
- 9363 MARCASITE, Red Mountain, San Juan Co., Colorado.
- 9364 MARMATITE, May Day mine, Silverton, Col.
- 9365 ~~MEDMONTITE~~ CELADONITE, Copper Spur, Co.
- 9366 MELILITE, Powderhorn, Colo.
- 9367 MENEHINITE, Pacific Lime Quarry, Santa Cruz Co., Calif.
- 9368 MERWINITE, Crestmore Quarry, Riverside, Calif.
- 9369 MESOLITE, Bay of Fundy, Nova Scotia.
- 9370 MICROLITE, Harding mine, Dixon, N. M.
- 9371 MITRIDATITE, Bull Moose mine, Custer, S. D.
- 9372 MITRIDATITE, Bull Moose mine, Custer, S. D.
- 9373 MONTEBRASITE, Custer, S. D.

- 9374 MONTEBRASITE, Tin Mt. mine, Custer, S.D.
- 9375 MONTICELLITE, Crestmore Quarry, Riverside, Calif.
- 9376 MONZONITE, <sup>Quartz,</sup> Silverton, Colo.
- 9377 MOTTRAMITE, Theba, Ariz.
- 9378 MUSCOVITE, Custer, S.D.
- 9379 GARNET, var. Andradite (Melanite) Carbonatite, Oka, Que.
- 9380 Mackinstryite, also Mckinstryite, Echo Bay Mine - Pt. Radium  
B.W. Robinson.
- 9381 MAGNETITE, Iron Co., Utah.
- 9382 MARCASITE, Racine, Wisc. coll Alfred Guenther (aged 17) in exchange <sup>Jan.</sup> 19  
(7 pieces, 5 in M. coll., 2 in glass case III.)
- 9383 MELANTERITE, Steep Rock Lake, Ontario.
- 9384 Blairmorite, RAB-75, Ap 25-1, Crowsnest R. at Coleman, A. Ita
- 9385 Shale, black, arenaceous, pyritic, Hwy 16 about 1 mi E of  
Mt. Robson campground, B.C. Miette Fm. 13-VIII-76
- 9386 Limestone, carbonaceous, w. small qtz. stringers. Hwy 16  
about 1 mi E of Mt. Robson campground, B.C. Miette F.  
13-VIII-76

~~9387~~ Saint Lucia - Volcanic Suite 9387-9390

9387 Leucocratic: RAB-76, Au 25-1

9388 " " - RAB-76, Au 25-2

9389 Darker RAB-76, Au 25-3

9380 " RAB-76 Au 25-4

9391 Coral, Barbados RAB76 - Au 20-1

9392 obsidian, green, near Glass Buttes, Ore. D.A. Taylor  
Aug. 1976

9393 analcite (analcime) porphyry from pipeline  
uphill from Star creek, Coleman, Alta.  
D.A. Taylor, 1967

9394 analcite (analcime) xfls, as above

9395 MALACHITE, Kilembe Cu mine (open pit area), Uganda.  
R. Batey 1959

9396 MOLYBDENITE, Mexico

9397 MOLYBDENITE, British Columbia.

9398 MONAZITE, Upper - M Foster N. Sask Kootik? Lk.  
Kulyk

9399 MONTICELLITE, Crestmore, California.

9400 MUSCOVITE, (Rose) Eastern Canada.

9401 MUSCOVITE, Mr Westby's Quarry, Skaugen, near Nesset, Bamle,  
S. Norway. (R.K. O'NIONS, <sup>Thesis</sup> K-Ar age)

- 9402 BIOTITE, from Kimberlite loc., Ontario? R. Mitchell, Lakehead Univ.,  
Ontario.
- 9403 AMPHIBOLE var. Hornblende, Valberg Quarry, Kragerö, Norway,  
(R.D. Morton)
- 9404 DOLOMITE, J-44 pit, Cominco, Pine Point, N.W.T.
- 9405 CALCITE crystals in Vugs within dolostone, X15 pit. Cominco.  
Pine Point, N.W.T.
- 9406 GYPSUM, var. Selenite, from Quaternary volcanic vent-fumarole  
fields nr. Corinthos, Greece.
- 9407 APHTHITALITE, Searles Lake, Calif.
- 9408 ARTHURITE, Majuba Hill, Pershing County, Nevada.
- 9409 AIKINITE, Silverton, Colo.
- 9410 ALLOPHANE, Gypsum, Colo.
- 9411 ARROJADITE, Nickel Plate mine, Keystone, S.D.
- 9412 AËRINITE, Huesca, Estopimán, Spain.
- 9413 ANATASE, Miage, Mt. Bianco, Val d'Aosta, Italy.
- 9414 ANATASE, Domodossola, Italy.
- 9415 GARNET, var. Andradite, River Valley, Ontario.
- 9416 GARNET, var. <sup>Almandine rich var.,</sup> ~~Andradite~~, River Valley, Ontario.

- 9417 GARNET, var. Spessartine, Bahia State, Brazil.
- 9418 GARNET, var. Spessartine, Bahia State, Brazil.
- 9419 GARNET, var. Grossular, Jeffery Mine, Asbestos, Que.
- 9420 GARNET, var. Grossular (Hessonite). Jeffery Mine, Asbestos, Que.
- 9421 DUMONTITE, Shinkolobwe, Katanga, Zaire.
- 9422 DUMORTIERITE, Dehesa, Calif.
- 9423 DUNDASITE, Gonessa, Sardinia.
- 9424 DUSSERTITE, Djebel Debar, Morocco.
- 9425 CHILLAGITE, St. fast, Barcelona, Spain.
- 9426 CORKITE, Wheal Gorland, Cornwall
- 9427 BEEGERITE, Treasure Vault mine, Geneva Gulch, Park Co, Colo.
- 9428 BIXBYITE, Iltevis, Sweden
- 9429 BOLTWOODITE, Hope mine, Bristol, California.
- 9430 GOSLARITE, Emperius mine, Creede, Colo.
- 9431 GREENOCKITE, Columbia mine, Silverton, Colo.



9432 EGGLESTONITE / CINNABAR, Cahill mine, Humboldt Co., Nevada

9433 ELPASOLITE, Empire mine, El Paso Co., Colo.

9434 EMPLECTITE, Silverton, Colo.

9435 EMMONSITE, Mohawk mine, Goldfield, Nevada.

9436 EVANSITE, Barcelona, Spain.

9437 HENDRICKSITE, Franklin, N. J.

9438 HISINGERITE / Chrysocolla, Peñamellera, Asturias, Spain.

9439 HURLBUTITE, Viitaniemi, Finland.

9440 ILESITE, McDonalds Mine, Halls Valley, Colo.

9441 KALINITE, Silver Peak, Esmeralda Co., Nev.

9442 LIPSCOMBITE, Indian Mt., Alabama.

9443 CHLORITE, var. Leuchtenbergite, Mineral Creek, Silverton, Colo.

9444 VANADINITE, Globe, Gila County, Arizona.

9445 ~~VANADINITE, Globe, Gila County, Arizona.~~ <sup>EXCH.</sup>

→ VERMICULLITE, Albreda, B. C., J.W. Campbell '40.

9446 SODIUM URANOSPINITE, = ELLWEILERITE, Ellweiler, Pfalz, Germany.

9447 PYROCHLORE, (Concentrate) from St. Lawrence Columbium & Metals Corp., Oka, P. Q. (Smith 76)

9448 MARCASITE, Racine, Wisconsin.

9449 SANDSTONE, CHALCONITIC, HUSKY FORMATION, U. JURASSIC, MT. GIFFORD, AKLAVIK RANGE, NWT. COLL. A. S. HEDINGER 1975

9450 MARIPOSITE, Senoro Co., California. Near Temstown - Quartz Mt. Ed. Hughes '32

9451 MONAZITE sand, N. Carolina.

9452 MICROLITE, from Rutherford's coll. No loc. 522-12.

9453 GOETHITE, (after Pyrite) Unknown locality.

9454 MALACHITE, no loc., from Moodie collection, March 1946. (Gen. no 1800)

9455 BROCHANTITE, Chuquiquamata, Chile, (Moodie coll., March '46. <sup>Gen. no</sup> 1800)

9456 FELDSPAR, Microcline, Sherrit Gordon Mine Dump, East Shaft near it.

9457 MOLYBDENITE (with fluorite), Moss Mine, Quyon, Que. (M13).

9458 MOLYBDENITE with Molybdite, Chapat Mine, Mount St. Patrick, Renfrew Company, Ontario. (G. M. Ponton).

9459 IDOCRASE (= Vesuvianite) part of 1900 Miscellaneous mineral specimens, mainly from Yellowknife district, N.W.T. (student A. D. Tidsbury)

9460 MUSCOVITE (Moodie collection 1946) JAA suggest most likely from Big Bend area. (part of 1800).

- 9461 MUSCOVITE, Pied des Monts, P. Quebec.
- 9462 MIRABILITE, Birch Lake, Alberta. (M. Feniak, April 1939)
- 9463 MULLITE, Sithean Sluaigh, NE Strachur, Argyllshire, Scotland.  
(from Mullite buchets - see J. Petrol. Vol. 10, 1969 p 20-55)  
Donated by D. G. W. Smith, Nov. 1976
- 9464 MAGNESITE, Jelšava Magnesite Mine, ~~Low~~<sup>Low</sup> Tatra region, Czechoslovak  
D. G. W. Smith.
- 9465 ARTINITE, San Benito County, California, U.S.A.
- 9466 ARROJADITE, Victory Pegmatite, Custer Co., South Dakota, U.S.A.
- 9467 ANAPAITE, S. Giovanni, Tuscany, Italy.
- 9468 BREWSTERITE, Corantee Mine, Strontian, Argyllshire, Scotland.
- 9469 CARNALLITE, Asse, Wolfenbuttel, Germany.
- 9470 CATAPLEITE, St. Hilaire, Que.
- 9471 COQUIMBITE, Dexter #7 Mine, San Rafael Swell, Utah, U.S.A.
- 9472 COQUIMBITE, Dexter #7 Mine, San Rafael Swell, Utah, U.S.A.
- 9473 CLINOPTILOLITE, Succor Creek, Oregon, U.S.A.
- 9474 DAWSONITE, Livorno, Italy.

9475 DRESSERITE, Francom Quarry, Montreal, Quebec.

9476 EOSPHORITE, Foote Mine, King's Mountain, North Carolina.

9477 FAIRFIELDITE, Foote Mine, King's Mountain, North Carolina.

9478 GADOLINITE, Ytterby, Sweden.

9479 GETCHELLITE, Getchell Mine, Getchell, Nevada, U.S.A.

9480 GYROLITE, Bombay, India.

9481 JACOBSITE, Copper, Jacobsberg, Sweden.

9482 KÄMMERERITE, Erzincan, Turkey.

9483 LATRAPPITE, Oka, Quebec.

9484 AIKINITE, Agaucnico Mine, Cobalt, Ontario.


9485 AJOITE & SHATTUCKITE, New Cornelia Pit, Ajo, Pinal Co., Arizona.

9486 BAUMHAUERITE, Lengenbach Quarry, Binnental, Switzerland.

9487 BOURNONITE with Siderite, Horhausen, Germany.

(with minor azurite, malachite & gibbsite)

9488 CHALCOALUMITE, Lavender Pit, Bisbee, Cochise Co., Arizona.

9489 COSALITE & Galenobismutite, Mondoux Claim, <sup>McElroy</sup>~~McElroy~~ Twp.,  
Temiskaming Dist., Ontario. 

- 9490 CYANOTRICHITE, Grand View Mine, Grand Canyon, Arizona.
- Great Notch, N.J.
- 9491 GMELINITE, ~~Long Island, Cumberland Co., Nova Scotia.~~
- 9492 CUBANITE with Pyrrhotite, Morro Velho Mine, Minas Gerais, Brazil.
- 9493 BOULANGERITE, Stevens Co., Washington.
- 9494 BUSTAMITE, (with Calcite & Galena) Lens #2 Zinc Corp<sup>o</sup> Mine,  
Broken Hill, N.S.W., Australia. Coll. by D.G.W. Smith '76
9495. HEMATITE, var. Specularite and Magnetite, Upper Wabush, Labrador.
- 9496 HEMATITE, Plaley Specularite, Upper Wabush, Labrador.
- 9497 DELAFOSSITE, Lavender Pit, Bisbee, Cochise Co., Arizona.
- 9498 Apophyllite, Guanajuato, Mexico. (F39)
- 9499 Wavellite, Montgomery Co., Arkansas. (F36)
- 9500 BISMUTH, #2B Subdrift, Silver Bay Mine, Camsell River, N.W.T. RDM.'7
- 9501 FELDSPAR, Adularia. Loc. Possibly St. Gothard, Switzerland.
- 9502 NATROALUNITE, National Bell Mine, Red Mt., San Juan, Col.
- 9503 NATROALUNITE, Silverton, Colo.
- 9504 NATROLITE, Springfield, Oregon.
- 9505 NAVAJOITE, with Grantsite, Häggite & Montroseite, Ambrosia Lakes Dist.,  
New Mexico.

- 9506 NORBERGITE, Bancroft, Ont.
- 9507 NOVACEKITE, Placeres de Guadalupe, Chihuahua, Mexico.
- 9508 OLIVINE, var. Forsterite & Red Spinel. Ni smelter slag.  
Kristiansand, S. Norway.
- 9509 OLIVINE, Kilbourne Hole, New Mexico.
- 9510 OLIVINE, (sand) Hawaii.
- 9511 OPAL, State Bridge, Colo.
- 9512 ORPIMENT and Realgar, Utah or Nevada, U.S.A.
- 9513 OPAL, Novaculite, var. of Tripolite, Arkansas. (Boodle Lane, 1953).
- 9514 NEPHELINE, Capo di Bove, Italy. Foote, Philadelphia.
- 9515 NEPTUNITE, Benito, California.
- 9516 HYDROTALCITE, unknown Locality.
- 9517 MUSCOVITE, loc. unknown. Sample very similar to #2690, but not identical. Possible loc. Bernic Lake, Manitoba.
- 9518 NATIVE COPPER, Copper King Mine, Whitehorse, Yukon, July 1942.
- 9519 HEULANDITE, Joint surfaces in Jurassic volcanoclastics,  
Seneca, near Harrison Hot Springs, B. C.
- 9520 ELLSWORTHITE, Mac Donald Mine, Montecagle Township, Ontario

- 9521 ANATASE (= Octahedrite) Amsteg, Uri, Switzerland.
- 9522 HANKSITE, Borax Lake, California.
- 9523 Boulangerite, Kimberley, British Columbia.
- 9524 KYANITE, Death Rapids, Columbia R., B.C. Pres. by Al. Rivard, Nov. 197
- 9525 GALENA, Sphalerite, Dolomite and Calcite, N-32 pit. Pine Point. N.W.
- 9526 ~~METADOMEYKITE, Mohawk Mine, Houghton, Keweenaw Co, Mich~~
- 9526 PALYGORSKITE, Brisco Mine property of Mountain Minerals Ltd. -  
barite mine, Brisco, B.C. Bill Howard.
- 9527 PAPAGOITE, New Cornelia Pit, Ajo, Pima Co., Arizona.
- 9528 PARAWOLLASTONITE, Crestmore Quarry, Riverside, California.
- 9529 PARGASITE, Silverton, Colo. (Var. of Amphibole).
- o
- 9530 AMPHIBOLE, var. Pargasite, ~~S~~ Bluelight claim, Silverton, San Juan
- 9531 Chlorite, var. Pennine, Hancock, Mich.
- 9532 PENTLANDITE, Sudbury, Ontario.
- 9533 Pyroxene, var. Percivalite, Wausau, Wisc.
- 9534 PETALITE, Bikita, Rhodesia.
- 9535 PHLOGOPITE, Tinton, S.D.

9536 PLATTNERITE, Mina Ojuela, Mapimi, Durango, Mexico.

9537 PLOMBIERITE, Crestmore Quarry, Riverside, California.

9538 POLLUCITE, Tin Mt. mine, Custer, S.D.

9539 PRICEITE, Death Valley, California.

9540 Chlorite, var.  
PROCHLORITE, Chester, Vt.

9541 PURPURITE, Shamrock Mine, Custer, S. Dakota.

9542 PYRITE, Aspen Mine, Silverton, Colorado.

9543 PYROCHROITE, Franklin, N. J.

9544 PECTOLITE, Shore, Lendalfoot, Girvan, Scotland. R.D. Morton, 1958.

9545 PERICLASE, Artificial.

9546 PHENACITE (syn. of Phenakite), S.W. Africa.

9547 PLUMBOJAROSITE, Goodsprings Nevada.

9548 Large POLYBASITE xls & Acanthite xls, Fresnillo Mine, Fresnillo, Zacatecas, Mexico.

9549 PROUSTITE, Christopher Mine, Cobalt, Ontario. (old no. 3212-2)

9550 PROUSTITE, Beaverdell, B.C., E. G. Cameron, 1939.



- 9551 PYRITE - rich quartz lens in schists (Chlorite-graphite) Sa  
Near Eagle Intermed. zone of Eldorado Nuclear Ltd.
- 9552 PYRITE (& Platinum ?) Mt. Fytton Claims, W. Slope, Mt. Fytton, N. Yukon.  
B. Zatwesky.
- 9553 PYROLUSITE & Hematite, Zeehan, Tasmania.
- 9554 PYROLUSITE, Pisolitic Mn ore, Groote Eylandt Mn deposit  
N.T., Australia. Collected by D.G.W. Smith on 25<sup>th</sup> I.G.C.  
field trip # 49A, August 1976.
- 9555 PYROLUSITE, Mt. Dundas, Tasmania.
- 9556 PYROMORPHITE, Ems, Nassau, Prussia.
- 9557 PYRRHOTITE +?, Skutterud, near Vikersund, S. Norway.
- 9558 GARNET, var. Hibschite (= Hydrogrossular) Plazolite, Crestmore, Riverside,  
California
- 9559 PYROXENE, var. Aegirine (Acmite), Julianehaab Dist, Greenland.
- 9560 PYROXENE, var. Diopside, Kootenay, B.C.
- 9561 PYROXENE, var. Diopside, Kootenay Lake, B.C.
- 9562 PYROXENE, var. Enstatite, Odegarden, Bamle, S. Norway.
- 9563 COVELLITE, Leonard Mine, Butte, Silver Bow Co., Montana.
- 9564 POLLUCITE, Bernic Lake, Manitoba.

- 9565 PHLOGOPITE in Søvite (Carbonatite), Søvite Mine, Fen, S. Norway.
- 9566 PHLOGOPITE, ~~Mica~~ Hull, Quebec.
- Placer  
9567 PLATINUM, I McLeod River, Alberta, ~~at Ft. Simpson, N.W.T.~~ Kelso, July 1934.
- Placer  
9568 PLATINUM, II Ft. Simpson, N.W.T. Wm Clark, June 1935
- 9569 PURPURITE, Paris, Maine, U.S.A., From U.S. Nat. Museum, Jan. 1936.
- 9570 CHALCOPYRITE, Sudbury, Ontario. (J. W. Reynolds 1942).
- 9571 PICKERINGITE etc., Smoky River, Alta. coll. R.L.R. 1929  
Sample taken out of Surplus material, Febr. 1977. (~~Not No Label but almost certain of spec.~~)
- 9572 MOLYBDENITE, Pegmatite, Black Lake (East of Lk. Athabasca),  
North Saskatchewan, R.D.M. 1971
- 9573 PYROXENE, var. Pigeonite, Loudoun County, Virginia.
- 9574 PICKERINGITE, Smoky River, Alta. sample taken out of  
Surplus material, Febr 1977.
- 9575 PYRITE etc., Standard Mine, Silverton, B.C. from no. 4. level  
old no. Pb-Zn-Ag 13.
- 9576 MUSCOVITE, St. Mary Lake District, B.C. R.J. Mason 1951  
sample part of collection no 2153.
- 9577 PHLOGOPITE, Twin xl, probably from S. Burgess Tp, Lanark Co., Ont.
- 9578 MARCASITE with Calcite, Creighton Mine, Ontario, E.D. Wilson. Oct. 1938.  
Sample taken out of students mat., old no. 1301.  
Febr. 77
- 9579 PYRITE, Creighton Mine, Ontario, E.D. Wilson. Oct. 1938  
Sample taken out of students mat., old no 1301.  
Febr 1977.

9580 GOETHITE pseudomorph after Pyrite, (old no 298, no loc.)

9581 PHILLIPSITE, Melbourne, Victoria.

9582 PYROXENE, Enstatite, var. Bronzite, near Webster, Jackson Co., N. Carolina.

9583 PYRITE, <sup>on Calcite</sup> Garson Mine, Sudbury, Ont. D.W. Mac Gregor '41

9584 AMPHIBOLE, var. Tremolite with Phlogopite & Calcite. Loc. ? Almost certainly from Burgess, Ontario.

9585 CHALCOPYRITE, She~~ffield~~<sup>rrit</sup>-Gordon, Manitoba. J.A.A. 1930. (W. 116)

9586 AGRELLITE, Sheffield Lake, on Kipawa River, Villedieu Tp, Témiscamingue Co., Québec. Coll. H.G. Ansell, 1976.

9587 EUDIALYTE, Sheffield Lake, on Kipawa River, Villedieu Tp, Témiscamingue Co., Québec. Coll. H.G. Ansell, 1976.

9588 PYRITE, Snow Lake, Manitoba. H.K.P. Yawnghwe.

9589 PYRITE, Kilembe Mines, Kilembe, Uganda.

9590 BERYL, var. Emerald, Muso, 75 miles NNE of Bogota, Colombia, South America.

9591 HEMATITE, reniform-small size, Ishpeming, Mich. S.C. Ellis 1925 taken from off larger spec. in Ec. suites 1948.

9592 QUARTZ, <sup>var. Milky</sup> Hugo Mine, Keystone, S.D.

9593 QUARTZ, Latite, Silverton, Colo. not mineral, ? rock.

9594 Quartz, Latite, Animas Forks, San Juan Co., ~~not~~ <sup>mineral</sup> Colo. rock.

- 9595 QUARTZ, Rose, Big Chief Mine, Glendale, S. D.
- 9596 QUARTZ, Lansdowne Tp., Ontario. G.S.C. 1948 Prospector's.
- 9597 QUARTZ, Rock Crystal (Japanese twin) Japan.
- 9598 QUARTZ, Rock Crystal, and Hematite, Ice River, B.C. ? J.A. Allan.
- 9599. QUARTZ, Rock Crystal, Silver Cup Mountain, Trout Lake District,  
West Kootenay, B.C. (old no. W-16.)
- 9600 QUARTZ, Rock Crystal (Geode) Keokuk, Iowa, From W.A. Kelly,  
part of old no. 2536. Lansing, Mich, April, 1932.
- 9601 QUARTZ, Rock Crystal (Geode) Keokuk, Iowa, From W.A. Kelly,  
part of old no. 2536. Lansing, Mich. April, 1932.
- 9602 QUARTZ, Milky, Keokuk, Iowa, From W.A. Kelly, Lansing, Mich. April 1932  
part of old no. 2536.
- 9603 CALCITE + Quartz + Limonite (Goethite), Keokuk, Iowa. From W.A. Kelly,  
Part of old no 2536. Lansing, Mich, April, 1932.
- 9604 QUARTZ, Rock Crystal, Poretta, Italy. Foote, Philad'a. old no 282.
- 9605 QUARTZ, Milky, (Cleavable), Precambrian Mines, Ewing's Landing,  
Coll. D.A. Taylor, 1934. Okanagan Lake, B.C.
- 9606 QUARTZ, var. Amethyst, near Silver Star, Madison Co, Mont. Foote, Philad'a
- 9607 QUARTZ, var. Amethyst with Milky Quartz, Black Range. New Mexico. (W-23)
- 9608 QUARTZ, Amethyst, Nova Scotia ? (W-24 b) <sup>Sample cut in half,</sup> one piece in Exchange
- 9609 QUARTZ, var. Rock Crystal and Calcite, Loughborough, Ont. R10, L8

See Mine Br. Repl.  
118 p 153  
Spence # 88.

9610. QUARTZ, var. Smoky Quartz, S.S. on east side Rock Cr. Pass. near Frank, Alberta. Fernie or R. M. Q.

Sample stolen from Museum prep. room, Oct. 9 1978.

9611. ~~QUARTZ on blue Chalcedony with platy Calcite. Loc ? Asé Don T.~~

9612. QUARTZ, var. Citrine, Rio de Janiero.

9613. QUARTZ, var. Ferruginous, Loc. ?. By comparison to Quartz 962 loc. almost certainly is Fowler, St. Lawrence Co., N.Y. U.S.A.

9614. QUARTZ, var. Chalcedony (Pseudomorphs after Calcite) Sullivan Lake dist. from Clay ironstone zone, Edmonton formation.

9615. POLLUCITE, Maine, U.S.A.

9616. QUARTZ, var. Chalcedony, Jasper, Found on Shore of Lake, East Sherwood Park, Edmonton, Alta. S. Reed. REED

9617 Quartz with inclusions of Rutile (sagenitic) loc. unknown.

9618 QUARTZ, with inclusions of Tourmaline, Governador, Valadares, Minas Gerais, Brazil.

9619 AMPHIBOLE, var. Hornblende, From the East Sooke Gabbro, 20 miles West of Victoria, B.C. Donated by Allan D. Rivard Dept. of Mines & Petroleum Res.

9620 BOULANGERITE, Sullivan Mine, Kimberley, B.C.

9621 BORNITE with Quartz and a little Chalcopryite, Frood Mine, Sudbury, L.J. Brown. part of 1439

~~9622 RHYOLITE, site. not a mineral National Bell mine, Red Mt., Col.~~

BUSTAMITE and Treburland,  
9622 RHODONITE ~~is~~, Treburland, Cornwall.

9623 ROSASITE, Goodsprings, Nevada.

- 9624 RHODONITE, Silverton, Colo.
- 9625 RHODONITE, Sunnyside mine, Eureka.
- 9626 REALGAR, Manhattan, Nev.
- 9627 Röhmerite, Delta mine, Emery Co., Utah.
- 9628 ROSASITE, Mina Ojuela, Mapimi, Dur., Mexico.
- 9629 ROSCOELITE, Vanadium, <sup>San Miguel Co.,</sup> Colo.
- 9630 RUTHERFORDINE, White Canyon, Utah. (Very rare).
- 9631 RUTILE in Rock, Nelson Co., Va.
- 9632 RHODOCHROSITE, Butte, Montana.
- 9633 RHODONITE, var. Fowlerite, Franklin Furnace, New Jersey, U.S.  
(old no M.500)  
-26-
- 9634 RHODONITE, var. Fowlerite, Franklin Furnace, New Jersey, U.S.
- 9635 RUTILE, Templeton Tp., Quebec.
- 9636 REALGAR, Getchell Mine, <sup>Humboldt Co.,</sup> Nevada.
- 9637 REALGAR, Getchell Mine, <sup>Humboldt Co.,</sup> Nevada.
- 9638 QUARTZ, Ferruginous, Niobrara Chalk Cove Co., Kansas.

- 9639 ALUMINITE, Newhaven, Sussex, England.
- 9640 ANTIMONY, Arechaybo, Chihuahua, Mexico.
- 9641 AUGELITE, Palermo Mine, North Groton, New Hampshire, U.S.
- 9642 BAVENITE + Epidote and Quartz, Silesia, Strzgom, Poland.
- 9643 BERAUNITE, Indian Mountain, Alabama, U.S.A.
- 9644 URANOPHANE, var. Betauranophane, Faraday Uranium Mine, Bancroft, Ontario.
- 9645 CHAPMANITE, Manciano, Grosseto, Italy.
- 9646 PYROXENE, Clinopyroxene, var. Omphacite, Quincinetto, Italy.
- 9647 CLINTONITE, var. Xanthophyllite, Lago Della Vacca, Italy.
- 9648 CERITE, Jamestown District, Boulder, Colorado. (Dana locale,
- 9649 TANTALITE, COLUMBO-TANTALITE, Alto Ligonha, <sup>onha, Mozambique.</sup> ~~Madagascar.~~
- 9650 CYMRITE, Pacheco Pass, Santa Clara County, California, U.S.A.
- 9651 COALINGITE on Serpentine, Shiraki, Toba Shi, Mie Prefecture, Japan.
- 9652 BORAX with Tincalconite, Boron, Kern County, California, U.S.A.
- 9653 DELVAUXITE, Richelle, Liegi, Belg<sup>iu</sup>um.

- 9654 DIADOCHITE (= Destinezite) Richelle, Belgium.
- 9655 FAUSTITE, Copper King Mine, Eureka County, Nevada, U.S.A.
- 9656 AMPHIBOLE, var. Fluor-richterite, Wilberforce, Ontario, Canada.
- 9657 GEHLENITE, Canzoccoli, Predazzo, Val<sup>e</sup> d'Fiemme, Italy.
- 9658 GUILLEMINITE, Musonoi Mine, <sup>Kalwezi,</sup> Katanga, Zaire.
- 9659 HAGENDORFITE + Sarcopside, Palermo Mine, North Groton, New Hampshire, U.S.A.
- 9660 HYDROCALUMITE, Brisejourns, Auvergne, France.
- 9661 PYROXENE, var. Johannsenite + Rhodonite, Monte Civillina, Italy.
- 9662 AMPHIBOLE, Kataphorite, var. Magnesian, Kipawa<sub>3</sub> River, Quebec.
- 9663 KINOITE and Apophyllite, Inspiration Pit, Christmas, Arizona.
- 9664 LAUBMANNITE + Strengite, Indian Mountain, Alabama.
- 9665 MANASSEITE<sub>2</sub> with Leuchtenbergite, Dypingdal, Modum, Norway.
- 9666 MANGANITE, Bolet, Vostergotland, Sweden.
- 9667 MERCURY, Levigliani, (Lucca) Italy.
- 9668 MELANOPHLOGITE, Loc Fortullino, Livorno, Italy.



- 9669 MELANOTEKITE (black) and Manganophyllite, Langban, Vermland  
Sweden.
- 9670 AUTUNITE, var. Meta-autunite, Ford, Washington, U.S.A.
- 9671 MINYULITE, Richelle, Liege, Belgium.
- 9672 METACINNABAR, Mount Diablo, California, U.S.A.
- 9673 SMECTITE, var. Montmorillonite, Santa Maria River, near Brown  
Crossing, Arizona, U.S.A.
- 9674 NATROJAROSITE, Laurium, Greece.
- 9675 NIOCALITE, Oka, Quebec.
- 9676 OKENITE,  ~~$\text{CaSi}_2\text{O}_4(\text{OH})_2 \cdot \text{H}_2\text{O}$~~  Bombay, India.
- 9677 CUPROSKLODOWSKITE, Shinkolobwe mine, Katanga Provin  
Congo Republic.
- 9678 CUPROSKLODOWSKITE, Musonoi mine, Katanga Province,  
Congo.
- 9679 APOPHYLLITE, S.W. Greenland. R.D.M. 1959.
- 9680 OLIVINE, var. Forsterite, Hawaiian Beach Sands, Oahu.
- 9681 BREWSTERITE, White Smith Mine, Argylshire; Scotland.
- 9682 CERUSSITE, Electric Point Mine, Wash., U.S.A.
- 9683 WÖHLERITE in Nepheline Syenite Pegmatite, Eikholmen,  
Langesundsfjord, S. Norway. R.D.

- 9684 BROCHANTITE + Chalcanthite, Uchinotai Mine, N. Akita Province, Japan. R.D.M. 1970.
- 9685 ~~CLINOZOISITE~~ <sup>var. Muscovite & Epidote</sup> in Calcite, New Imperial Mines, Whitehorse, Y.T.
- 9686 PYRRHOTITE (Hexagonal), Hangingwall, Strathcona Mine, Sudbury, Ontario. coll. M.C. Tomlinson 1970.
- 9687 PYRITE (nodule), Houston, Texas. from recent clays found whilst new airport being constructed.
- 9688. Boulangerite, Noche Buena Mine, Concepcion Del Oro, Zacatecas, Mexico.
- 9689 SIDERITE with Galena & Chalcopyrite in mass of Cryolite, Ivigtut, Greenland.
- 9690 ~~SILVER~~ <sup>GALENA</sup> ~~Lead-zinc ore~~, Reported to come from West Grande Prairie. Pb Zn Ag 35. old nb.
- 9691 RUTILE, Blumberg, South Australia.
- 9692 SAFFLORITE, Cobalt, Ontario.
- 9693 SAFFLORITE, Seven Islands, Quebec.
- 9694 SAMARSKITE, Lost Cabin, Wyoming.
- 9695 SANBORNITE, Rush Creek deposit, Fresno Co., Calif.
- 9696 SMECTITE gr., <sup>var. Montmorillonite,</sup> ~~Saponite~~, Perus, Sao Paulo, Brazil.
- 9697 SARCOPSIDE, Bull-Moose mine, Custer.
- 9698 SCAWTITE, Crestmore Quarry, Riverside, California.
- 9699 SCAWTITE, <sup>+ Merwinite and Spurrite.</sup> Crestmore, Riverside Co., California.

- 9700 SCHRÖCKINGERITE, Cisco, Utah.
- 9701 SCHRÖCKINGERITE, about 4m. N. of Wamsutter, Wyoming.
- 9702 SCORZALITE, Victory mine, Custer, S. Dakota.
- 9703 SCORZALITE, Victory mine, Custer, S. Dakota.
- 9704 SEYBERTITE, Mt. Pass., California.
- 9705 SHORTITE, Westvaco, Wyoming.
- 9706 ~~SICKLERITE~~, <sup>NATIVE SILVER, Vein cutting Archean basalts, Silver Bay Mine,</sup> Custer, S. Dakota. Camsell River, N.W.T.  
(Northrim Mines Ltd.) (R.D.M.)
- 9707 SICKLERITE, Custer Mt. mine, Custer, S. Dakota.
- 9708 SKLODOWSKITE, Cisco, Utah.
- 9709 SKLODOWSKITE, Cisco, Utah.
- 9710 SMALTITE, Cobalt, Ontario.
- 9711 SPHALERITE, Columbia mine, Animas Forks.  
(Possibly Animas Sector Central Mining Dist., New Mexico.)
- 9712 <sup>Pyroxene-</sup> SPODUMENE, Etta mine, Keystone, S. Dakota.
- 9713 SPURRITE, Crestmore Quarry, Riverside, California.
- 9714 STAUROLITE, Custer, S. Dakota.

9715 STEIGERITE, Cactus Rat mine, Yellow Cat, Utah.

9716. STICHTITE, Bou. Offrouh, Morocco.

9717 STILBITE, Tenino, Washington.

9718 SZAIBELYITE, Crestmore Quarry, Riverside, California.

9719 SCHEELITE, Matachewan Consolidated Mines Ltd. Ontario.  
Part of no. 1488.

9720 SCHEELITE, Matachewan Consolidated Mines Ltd, Ontario.  
Part of no. 1488.

9721. SUITE OF VOLCANIC ROCKS FROM HAWAII,

J.F. LERBEKMO

- a) KILAUEA: IKI, 1959 ERUPTION
- b) HALEAKALA, MAUI
- c) KILAUEA, EAST RIFT, KAPOHO ERUPTION, 1960
- d) KILAUEA, EAST RIFT, KII FLOW, 1955.
- e) HALEAKALA, MAUI. Summit of Crater Lip.

9722 Volcanic rock specimens from Hawaii,  
D. R. STELCK, APRIL, 1977.

9723 SCHEELITE, Hollinger Mine, Ontario. (old no. 1154-1-)  
(same mat. as 1729)

9724 DAWSONITE, Type loc. Montreal, Quebec.

9725 SPHALERITE, + Galena and Chalcopyrite, 27 level  
North Mine, Broken Hill, N.S.W., Australia.

9726. AMPHIBOLE, var. Crossite with Epidote and Fuchsite, Mount Mee D.  
near Brisbane, Queensland, Australia.

9727 SEMSEYITE; Chichibu mine, Chichibu dist., Saitama pref.,  
Japan.

9728 SPHALERITE, near Aberystwyth, Cardiganshire, Wales.

9729 CORNETITE, Bwana M'Kubwa, Rhodesia.

9730 ADAMITE, var. Cuproadamite, Laurium, Greece.

9731 ~~SERPENTINE, Crestmore Quarry, Riverside, California~~  
SERPENTINE, var. Chrysotile (Asbestos), Cassiar, B.C.

Donated by Bruce Martin, S.T.O.P. (save tomorrow oppose  
pollution)

9732 NATIVE SILVER with chalcocite, Tsumeb, S.W. Africa.  
Charles E. Slott, 1955.

9733 SILVER (Dendritic) Eldorado, N.W.T.

9734 SCAPOLITE, var. Wernerite, Pipestone, Montana. Purchased  
from Osborn Smith, Butte, Montana  
June 1935.

9735 SCAPOLITE, var. Wernerite, Grenville, Argenteuil Co., Quebec.  
(Lot 3 R. 3) W.F. Farrier, 1935. (F. 28)  
(very fluorescent)

9736 SILVER, Cobalt, Ontario.

9737 GLAUCONITE, Llano, Texas.

9738 LITHIOPHILITE, Custer, S. Dakota.

9739 QUARTZ, var. Aventurine, India.

9740 Quartz, var. Chalcedony - Heliotrope (var. of Plasma), <sup>(Bloodstone)</sup> India.

9741 SPHALERITE, Joplin, Missouri, U.S.A.

9742 SPHALERITE xls, Pelican Lease, Lawyer Mine, Treece, Kansas

9743 SPHALERITE, Pine Point, N.W.T.

9744 SPHALERITE, ("Ruby Jack") Gayna River, N.W.T. T. Green.

9745 PYROXENE - Spodumene, Portland, Conn.

9746 STIBICONITE, <sup>San</sup> San Luis Potosi, Mexico. (old no 7373)

9747 STICHTITE, Argent Hill, Tasmania, Australia.

9748 STICHTITE, Tunnel Hill, Zeehan Area, Tasmania, Australia.

9749 FERROSTILPNOMELANE, <sup>STILPNOMELANE, var. + massive sulphides and Magnetite</sup> Frood Mine, Sudbury.

9750 SPHENE, Minas Gerais, Brazil.

9751 SPHENE, + diopsidic Augite, Plagioclase Feldspar & Quartz.  
Gump, Bamble, S. Norway. (Pegmatite with Diopside-Selite on  
N. shore of Gump). R.D. Morton, 1965.

9752 STIBNITE, UNKNOWN

9753 SYLVITE, Stassfurt, Prussia.

50  
469

9754 STILPNOSELANE, var. Ferrostilpnomelane + massive sulphides and Magnetite, Frood Mine, Sudbury.

9755 (old no 1760-1) PYROXENE - Spodumene, Rainy River, Ontario.

9756 (old no 1760-2) PYROXENE - Spodumene with Quartz and Feldspar, Cat Lake, Manitoba.

9757 (old no 1760-3) PYROXENE - Spodumene with Quartz and Feldspar, Irgon M.C., Manitoba.

9758 Sulfur coated Tufa, Miette Hot Springs, Jasper Park.

9759 STIBNITE, Lake George, N.B. G.S.C., 1947.

9760 SPHALERITE + Pyrrhotite, Blue Bell, Slocan Lake, B.C. Pb-Zn. <sup>old no.</sup>

9761 SILVER ORE, Handa, Japan? (From U.S. Nat. Museum, No 61846)

9762. SCHEELITE in Skarn, N. Mexico. (old no. 736)

(old no 1542-2-)  
9763 ARSENOPYRITE, massive, Brownell Lake, Sask., about 75 mi. west of Flin Flon.

9764 MAGNETITE, Pebbles from buried placer deposit. Calwest Petroleum Ltd. Granite Creek, near Coalmont, B.C. (15 miles from Princeton in Tulameen District) R.D.M. 1977.

9765 LAZULITE, Rapid Creek, Yukon Terr. collected by: R.A. Fedoruk July 1977.

9766 SPERRYLITE xls, Frood Mine, Sudbury, Ont. 1937. R.

9767 PYROXENE - Spodumene, Beaulieu R. Dist., N.W.T. W.T. Love, 1937. Checked optically for Spodumene 1938.

768 SPHALERITE, Sherritt Gordon (East Shaft), Manitoba

9769 SYLVANITE, Victor Mine, Cripple Cr. Col. bot. from K.W.

Reikie /33 #5-

9770 STILBITE, Guanajuato, Mexico

9771 GOLD, Vermillion Mine, Sudbury, Ontario

(old no 2022)

9772 HEMATITE, Pueblo Mine, Whitehorse, Y.T. J.S. Dier.

9773 SCAPOLITE, Wakefield, Que. Old G.S.C. Suite.

(old no 1900)

9774 SCHEELITE, Francois Lake, N.W.T. A.D. Tidsbury, 1948.

(old no 5192)

9775 GALENA and Sphalerite, Pine Point, Great Slave Lake,

9776 SPHALERITE, Ruby, Ft. Simpson, N.W.T. per J.A. Kelso, Dec 1930

9778 SPINEL, var. Ruby Spinel, Island of Ceylon

BANGOR FM,

9779 BIOCLASTIC LIMESTONE, MISS-PENN, NEAR COLLMAN

NORTHERN ALABAMA. COLL. J.F. LERBEKMO, 1976

9780 FELDSPAR, Sanidine. (Baveno Twins) Crowsnest Volcanics, Coleman

Alberta. Coll. R.L.R. Almost certainly same mat. as 1590 & 1591.

9781 TALC, Sotaseter, Central Norway. R.D. Morton.

782 FELDSPAR, var. Sanidine, Shingle Creek, near Pentleton, B.C.

(This material might have been catalogued before no 7801?)

Coll. by E. Cameron and for Robert Vernon.



9783 MELANTERITE, (pure form) Phalen seam in I-B Colliery #26 Mine.  
Glace Bay, N.S.

9784 K-FELDSPAR, var. Adularia?, showing some alteration to Illite,  
Hazelton Volcanics, Telkwa Mts., 30mi. s. of Smithers, B.C.

9785 SAL AMMONIAC, Mt. Etna, Sicily. (Erup. of 1886).

9786 ~~Pararammelsbergite + Annabergite,~~  
Coll. from dumps, Cons. Nicholson, Lake Athabasca, N.W. Sask. Mine #  
Zone  
Summer 1966, Gordon Bird

9787 URANINITE, <sup>Nicolite</sup> Rammelsbergite, and Annabergite, Dumps, Cons.  
Nicholson, Mines #4 zone, Lake Athabasca, N.W. Sask. Summer 1966.  
Gordon Bird

9788 SERPENTINE - Clinochrysothile (Chrysothile 2 Mol.)  
Snarum, S. Norway. R.D. Morton.

~~9789 COLLINSITE with Apatite, var. Fluorapatite, quartz and bituminous  
material. Francis Lake, B.C.~~

30 9789 STRUVITE, Skipton Caves, Victoria.

9790 SYLVITE, Saskatchewan.

9791 AMPHIBOLE, var. Tremolite, Quartz, Pyrite & Sphalerite  
Locality of this sample is uncertain, (possibly old no. 1322 -  
Quyta Lake, Yellowknife, N.W.T. coll. by Mc Gregor and Folinsbee, 193.

91 9792 STROMATOLITE, GYPSIFEROUS, RECENT, MARION LK, YORKE PENN.,  
S AUSTRALIA, COLL. JF LEIBERIKMO, 1975

9793 GYPSUM, STROMATOLITE

9794 GYPSUM STROMATOLITE, RECENT, INNESTON LK,

9795 CALCIOVOLBORTHITE = Tangeite, Egnar, Colo.

9796 CALCIOVOLBORTHITE = Tangeite, Egnar, Colo.

9797 TANTALITE, Cassiterite ? and Muscovite, "Best Bet" Dyke, De Steffany,  
3 miles north of Hearne Channel, G.S.L. old no 1875-2-

9798 TANTALITE - Columbite, 2 miles north of Thompson Lundmark Mine,  
Freda Group. N.W.T.

9799 TAPIOLITE, Mike mine, Custer, S.D.

9800 - 10300 reserved for Dr. R.E. Folinsbee. (July "177).

↓ some overlap

10301 TAVORITE, Bull Moose mine, Custer, S.D.

10302 TAVORITE, Bull Moose mine, Custer, S.D.

10303 TELLURIUM with Sylvanite, John Jay Mine, Boulder Co., Colorado.

10304 THAUMASITE, Marcella mine, Silverton, Colo.

10305 THAUMASITE, Crestmore Quarry, Riverside, Calif.

10306 THORITE, Bancroft, Ont.

10307 TILLEYITE, Crestmore Quarry, Riverside, Calif.

10308 TOBERMORITE, Crestmore Quarry, Riverside, Calif.

10309 TOBERMORITE, syn. Crestmoreite, Crestmore, Riverside Co., Calif.

10310 TOPAZ, Thomas Mt., Millard Co., Utah.

10311 TOURMALINE (dravitic), Havredal, Bamle, S. Norway. R.D. Morton.

10312 TOURMALINE, Custer, S. Dakota.

10313 TRIPHYLITE, Custer, S. Dakota.

10314 TRIPHYLITE, Dan Patch mine, Keystone.

10315 TRIPHYLITE, El Paso Co., Colorado.

10316 TRONA, Searles Lake, California.

10317 TUNGSTITE, Adams claim, Gladstone.

10318 TUNNERITE, Wolfstone mine, Leadville, Colorado.

10319 TYUYAMUNITE, Sec. 33 Mine, Grants, Valencia Co., N.M.

10320 SERPENTINE, var. Lizardite + Pyroaurite, Broughton, Que.

10321 TALC (foliated), Providence, Rhode Island.

10322 TETRAHEDRITE (Argentiferous), Slocan Area, B.C. "Dry Ore"

(from samples no M-716) (Galena and Quartz)

E. T. Lonergan, Febr. 1958

10323 TETRAHEDRITE, Pyrite, and Chalcopyrite, etc., Bingham, Utah,

Harold Wright 1931.

10324 TALC (two varieties) and Dolomite, Henderson Mine Dump, Ontario

E. D. Hancock Dec. 1927

- 10325 BARITE, 600' level, Niobe Mine, near Saint-Honoré Lots 27-30,  
Range VII, Simard Tp., Chicoutimi Co., Quebec.  
(in Exchange from Nat. Mus. Ottawa. F 77/47)
- 10326 TOURMALINE, Tanco pgm., Bernic Lake, Manitoba. Donated by  
Dept. of Earth Sciences, U. of Manitoba.
- 10327 TANTALITE, Tanco pgm., Bernic Lake, Manitoba. Donated by  
Dept. of Earth Sciences, U. of Manitoba.
- 10328 LITHIOPHILITE - Triphylite, Tanco pgm., Bernic Lake, Manitoba,  
Donated by Dept. of Earth Sciences, U. of Manitoba.
- 10329 TRIPHYLITE, Bernic Lake, Manitoba. From B.E. Hurdle. (old no 1760-5-)
- 10330 Cs - ANALCIME, Tanco pgm., Bernic Lake, Manitoba. Donated by  
Dept. of Earth Sciences, U. of Manitoba.
- 10331 AMBLYGONITE - Montebasite, Tanco pgm., Bernic Lake, Manitoba.  
Donated by Dept. of Earth Science, U. of Manitoba.
- 10332 Manganooan APATITE, Tanco pgm., Bernic Lake, Manitoba.  
Donated by Dept. of Earth Sciences, U. of Manitoba.
- 10333 BERYL, Tanco pgm., Bernic Lake, Manitoba. Donated by  
Dept. of Earth Sciences, U. of Manitoba.
- 10334 FELDSPAR - Plagioclase, Albite, var. CLEAVELANDITE, Tanco pgm., Bernic Lake, Manitoba. Donated by  
Dept. of Earth Sciences, U. of Manitoba.
- 10335 COOKEITE, var. of Chlorite, Tanco pgm., Bernic Lake, Manitoba,  
Donated by Dept. of Earth Sciences, U. of Manitoba.
- 10336 EUCRYPTITE, Tanco pgm., Bernic Lake, Manitoba. Donated by  
Dept. of Earth Sciences, U. of Manitoba.
- 10337 AMPHIBOLE, var. Holmquistite, Tanco pgm., Bernic Lake, Manitoba.  
Donated by Dept. of Earth Sciences, U. of Manitoba.

10338 LEPIDOLITE, Tanco pgm., Bernic Lake, Manitoba. Donated by  
Dept. of Earth Sciences, U. of Manitoba.

10339 LITHIOPHOSPHATE, Tanco pgm. Bernic Lake, Manitoba. Donated  
by Dept. of Earth Sciences, U. of Manitoba.

10340 MUSCOVITE, Tanco pgm., Bernic Lake, Manitoba. Donated by  
Dept. of Earth Sciences, U. of Manitoba.

10341 MUSCOVITE, Tanco pgm, Bernic Lake, Manitoba. Donated by  
Dept. of Earth Sciences, U. of Manitoba.

10342 GLADITE - Pekoite with Native Bismuth, Chalcopyrite & Galena (Possibly als.  
1 Gustavite). Tanco pgm, Bernic Lake, Manitoba.

10343 FELDSPAR - Microline, Tanco pgm, Bernic Lake, Manitoba. Donated by  
103 Dept. of Earth Sciences, U. of Manitoba.

10344 MICROLITE & Wodginite, Tanco pgm. Bernic Lake, Manitoba.  
Donated by Dept. of Earth Sciences, U. of Manitoba

10345 WODGINITE (fibrous) & Mangano tantalite, Tanco pgm., Bernic Lake  
Manitoba. Donated by Dept. of Earth Sciences, U. of Manitoba

10346 WODGINITE, Tanco pgm, Bernic Lake, Manitoba. Donated by Dept. of  
Earth Sciences, U. of Manitoba.

10347 PETALITE, Tanco pgm, Bernic Lake, Manitoba. Donated by Dept. of  
Earth Sciences, U. of Manitoba.

10348 POLLUCITE, Tanco pgm, Bernic Lake, Manitoba. Donated by Dept.  
of Earth Sciences, U. of Manitoba.

10349 SPODUMENE & Quartz after petalite, Tanco pgm., Bernic Lake,  
Manitoba, Donated by Dept. of Earth Sciences, U. of Man.

10350 SPODUMENE, Tanco pgm, Bernic Lake, Manitoba. Donated by Dept. of  
Earth Sciences, U. of Manitoba.

10351 MUSCOVITE, var. Lithian Muscovite, Tanco pgm., Bernic Lake, Manitoba.  
Donated by Dept. of Earth Sciences, U. of Manitoba.

- 1 52 TALC with Tremolite ("Fibrous Talc"), Near Fullerville, St. Lawrence  
County, New York.
- 10353 SCAPOLITE, var. Wernerite, Laurinkari, Finland.
- 10354 WELOGANITE & DRESSERITE, Francon Quarry, St.-Michel,  
Montreal, Ile de Montreal Co, Quebec. Exchange from N.M.O.
- 10355 NEPHELINE, Lot 25, Conc XIII, Dungannon Tp, Hastings Co, Ontario.  
Exchange from Nat. Mus. O.
- 10356 ADAMITE, Ojuela Mine, Mapimi, Mexico. Exch. from Nat. Mus. Ottawa
- 10357 ANCYLITE with Rhodochrosite, Acmite, Microcline & Analcime,  
Mont-Saint-Hilaire, Rouville Co, Quebec. Exch. from Nat. Mus.
- 10358 ARAGONITE, Jeffrey Mine, Asbestos, Shipton Tp, Richmond Co, Quebec.  
Exch. from Nat. Mus. Ottawa.
- 10359 ASTROPHYLLITE with Acmite, Mont-Saint-Hilaire, Rouville Co.,  
Quebec. Exchange from Nat. Mus. Ottawa.
- 10360 CANCRINITE, Blue Mountain, Methuen Tp, Peterborough Co.,  
Ontario. Exchange from Nat. Mus. Ottawa.
- 10361 CATAPLEITE, Mont-Saint-Hilaire, Rouville Co, Quebec.  
Exchange from Nat. Mus. Ottawa.
- 10362 CATAPLEITE, Mont-Saint-Hilaire, Rouville Co, Quebec.  
Exchange from Nat. Mus. Ottawa.
- 10363 COSALITE & Gold, Cariboo Gold Mine, Cariboo Dist., B.C.  
Exch. from Nat. Mus. Ottawa.
- 10364 DANBURITE, Mexico, Exch. from Nat. Mus. Ottawa.
- 10365 DESCLOIZITE, Tsumeb, Namibia. Exchange from Nat. Mus. Ottawa.  
Pyroxene, var.
- 10366 DIOPSIDE, Orford Nickel Mine, near Orford, Orford Tp. Sherbrooke Co, Que.  
Exch. from Nat. Mus.

- 10367 DIOPHASE, Tsumeb, Namibia. Exchange from Nat. Mus. Ottawa.
- 10368 ELPIDITE, with Birnessite pseudom. after Serandite, Mont-Saint-Hilaire, Rouville Co., Quebec. Exchange from Nat. Mus. Ottawa.
- 10369 BIRNESSITE (pseudom. after Serandite) with Leucophanite, Mont-Saint-Hilaire, Rouville Co., Quebec. Exchange from Nat. Mus. Ottawa.
- 10370 GEIKIELITE, Maxwell Quarry, near Wakefield, Hull Tp., Gratineau Co., Quebec. Exchange from Nat. Mus.
- 10371 GOETHITE, with Calcite & Pyrite, 1200' level, G.W. MacLeod Mine, near Wawa, Chabanel Tp., Algoma Dist., Ontario. Exch. from Nat. Mus.
- 10372 GARNET, var. Grossular, ~~at~~ Jeffrey Mine, Asbestos, Shipton Tp., Richmond Co., Quebec. Exchange from Nat. Mus. Ottawa.
- 10373 LEUCITE with Augite, (var. of Pyroxene): Vulcano di Roccamonfina, Caserta, Italy. Exchange from Nat. Mus. Ottawa.
- 10374 MALACHITE, Kambove, Katanga, Zaire. Exch. from Nat. Mus. O.
- 10375 NATROLITE, Mont-Saint-Hilaire, Rouville Co., Quebec. Exch. from N.M.
- 10376 PECTOLITE, Jeffrey Mine, Asbestos, Shipton Tp., Richmond Co., Que. Exch. from Nat. Mus. Ott.
- 10377 PECTOLITE, Jeffrey Mine, Asbestos, Shipton Tp., Richmond Co., Que. Exch. from Nat. Mus.
- 10378 PYRITE & Hematite, Elba, Italy. Exch. from Nat. Mus.
- 10379 QUARTZ, Pyrrhotite & Sphalerite, Bluebell Mine, Riondel, Kootenay Dist., B.C. Exchange from Nat. Mus. Ottawa.
- 10380 AMPHIBOLE, var. Richterite, Tory Hill, Ontario. Exch. from Nat. Mus.
- 10381 AMPHIBOLE, var. Richterite, George Earle prop., Essonville, Monmouth Tp., Haliburton Co., Ontario. Exchange from Nat. Mus. Ottawa.

10382 SERANDITE, Mont-Saint-Hilaire, Rouville Co, Québec.  
Exchange from Nat. Mus. Ottawa.

10383 SERANDITE with Mangan-Neptunite, Analcime, Natrolite & Acmite,  
Mont-Saint-Hilaire, Rouville Co, Québec. Exchange from Nat. Mus.

10384 SIDERITE & Albite (Feldspar), Minas Gerais, Brazil. Exch. from Nat. Mus.

10385 SPHALERITE, Bluebell Mine, Riondel, Kootenay Dist., B.C. Exch. from Nat. Mus.

10386 VANADINITE, San Carlos Mine, Chihuahua, Mexico. Exch. from Nat. Mus. O.

IDOGRASE

10387 (=VESUVIANITE), Jeffrey Mine, Asbestos, Shipton Tp, Richmond Co, Québec.  
Exchange from Nat. Mus.

10388 WELOGANITE & Dresserite (with Quartz & Calcite), Francon  
Quarry, St. Michel, Montreal, Ile de Montreal Co, Que. Exch. N.M.

10389 WULFENITE, Los Lamentos, Chihuahua, Mexico. Exch. from N. Mus.

10390 SIDERITE with Albite <sup>& Synchysite</sup>, Mont-Saint-Hilaire, Rouville Co, Québec.  
Exch. from Nat. Mus. Ottawa.

10391 STIBICONITE (pseudom. after Stibnite), Catorze, San Luis, Potosi,  
Mexico. Exchange from Nat. Mus. Ottawa

10392 SPHENE (Titanite) <sup>and Calcite,</sup> Mac Donald Mine, Ontario. (old no 1843-13)

~~10393 FORME, Schmockenstein, Saxony.~~

10393 TURQUOIS, Mohave County, Arizona.

10394 ERYTHRITE, San Juan, Cuba.

10395 GOETHITE (pseudomorph after Marcasite) Richland Co, Wis.



10396 SCHEELITE, Hollinger Mine, Ontario. Holl W8, 300', R.E.F/46.

10397 IDOCRASE, Luupikko, Finland.

10398 BERYL, South Australia.

10399 FELDSPAR - Plagioclase, Anorthite, Iwoshima, Idzu Island,  
Japan.

10400 AXINITE, Obira, Bungo, Japan.

10401 VEATCHITE, Tick Canyon, Los Angeles Co., California.

10402 NATROLITE, Brevig, Norway.

10403 VERMICULITE, Powderhorn, Colorado.

10404. HEMIMORPHITE (= Calamine), Santa Eulalia, Chihuahua, Mexico.

10405 BOLEITE, Boleo, Mexico.

10406 CELESTITE, Cianciana, Sicily

10407 BABINGTONITE, Baveno, Italy

10408 CERUSSITE, Broken Hill Mines, New South Wales, Australia.

10409 OLIVINE, var. Chrysolite, Maillargues, France.

10410 ~~AMPHIBOLE~~  
~~PYROXENE Augite,~~ Echigo, Japan.

10411 BARITE, Felsobanya, Hungary.

10412 TOURMALINE (+ Microcline), Pegmatite, Gump, Bamle, S. Norway, R.D.M., 1965.

10413 SKUTTERUDITE, Contact Lake, N.W.T.

10414 ARAGONITE, Bastennes, France.

~~10415 LAZULITE, Grant Mt., Georgia - Exchange~~

~~→ CASSITERITE (twinned) Ross Lake~~

10415 GYPSUM - Selenite, Nagy. Igmand, Hungary.

10416 CALCITE, Santa Eulalia, Chihuahua, Mexico.

10417 CALCITE, Cumberland, England.

10418 ARAGONITE, <sup>From</sup> Wynd Sandstones, nr. Yellowhead Pass, Jasper, Alta. R.D.M. 1978.

10419 AMPHIBOLE - Tremolite, Tierman Formation - Haliburton, Ontario

10420 ULEXITE on Gypsum, Wentworth, N.S. (old no. 1268-31)

10421 URANINITE, Ike mine, La Sal Mtns., Utah.

10422 URANINITE, Cayzor. Athabasca Mine, Uranium City, Sask.

10423 UMANGITE, Tazin Lake, Melville Lk., N. Sask.

10424 TOPAZ, Utah, U.S.A.

(same as 5690 Colemanite & Ulexite)

10425 Ulexite ~~& Colemanite~~, Boron, California. G.D. Williams, 1947.

10426 URANINITE, Nesbitt Labine Mine, Uranium City, Sask.

10427 URANINITE, <sup>in red Mylonite</sup> Fay Mine, <sup>Uranium City</sup> Eldorado, Sask., Stope (22<sup>th</sup> Febr, 1972) on 20<sup>th</sup> level.

10428 URANINITE and Thulite?, Nicholson Mines, about 2 M.E. of Goldfields, Sask.

10429 UMANGITE, URANIUM CITY, N. Sask.

10430 URANINITE, botryoidal, Eldorado Mine, Great Bear Lake, N.W.T. per. Mc Caffery, Nov 1946

10431 URANINITE, botryoidal, Eldorado Mine, Gt. Bear Lake, N.W.T. 1946.

10432 URANINITE, botryoidal, Eldorado Mine, Gt. Bear Lake, 1946.

10433 URANOPHANE, + Calcite vugs, Faraday Uranium Mine, Bancroft, Ontario.

10434 VANADINITE, Old Yuma Mine, Arizona. (near Tucson)

10435 VANADINITE, var. Endlichite, Hillsboro, Sierra Co., New Mexico.

10436 VESIGNIEITE, Monument #<sup>2</sup> Mine, Monument Valley, Arizona.

10437 VESIGNIEITE, Monument #2 Mine, Monument Valley, Arizona.

10438 VIVIANITE, Ngaoundere, Cameroons, Africa.

10439 VIVIANITE, Lake La Biche, Alberta.

10440 VOLBORTHITE, with Vesignieite, Egnar, Colorado. 1

10441 IDOCRASE (=Vesuvianite) Templeton Tp., Quebec.  
~~VOLBORTHITE, Egnar, Colorado. Exch~~ 1

10442 VONSENITE, Crestmore Quarry, Riverside, California. 1

10443 IDOCRASE (Vesuvianite) La Ronge, Sask. 1

10444 WICKENBURGITE, Potter claim, Wickenburg, Ariz. 1

10445 WIGHTMANITE, Crestmore Quarry, Riverside, California. 1

10446 WILLEMITE (red var.) & Franklinite, Franklin Furnace,  
New Jersey, U.S.A. (Old no. 1924-15-) 1

10447 WILLEMITE (brown) Franklin Furnace, New Jersey. (old no. 1924-4-) 1  
(4602-131)

10448 WITHERITE, Fourstones, Northumberland, England. (old no. 4602-  
131-) 1

10449 WOLFRAMITE, Siam. Bought off Wards, March, 1949. 1

10450 WOLFRAMITE, Burnt Hill Mine, Miramichi River, New Brunswick. 1

10451 WOLLASTONITE, Nancy group, Kokanee Dist., Nelson, B.C.  
(From suite M 875) 1

10452 WOLLASTONITE, no label, but likely from Charleston Lake, Ont  
Purchased W.F. Ferrier 1935. 1

10453 WULFENITE, Los Lamentos, Mexico. 1

10454 CLINTONITE (Xanthophyllite) Crestmore, Riverside Co., California. 1

end 4  
199  
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10455 XONOTLITE, Crestmore Quarry, Riverside, California.

10456 ZINKENITE, Brobdignag Mine, Silverton, Colo.

10457 ZINKENITE, Brobdignag Mine, Red Mt., San Juan Co.

10458 ZIRCON with Tremolite, Phlogopite & Calcite, N. Burgess, Lanark Co.,  
(old no 1341-5) <sup>Ont.</sup>

10459 ZIRCON, var. Cyrtolite, Feldspar Quarry, York River, Ontario. old no.  
1843-9

10460 ZIRCON, N. Burgess Tp., Lanark Co., Ontario.

10461 ZUNYITE, Zuni Mine, Silverton, Colo.

-) 10462 ZUNYITE, Zuni Mine, Silverton, Colo.

-) 10463 ZUNYITE, Zuni Mine, Silverton, Colorado.

10464 RUTILE in Calcite, Lake O'Hara Dist., near Lake Louise, Alta.

10465 ZIRCON, Saranac Property, ~~the~~ Tory Hill, Ontario, Canada.

<sup>2nd 48</sup>  
10466 CLINOPTILOLITE, Agoura, California.

10467 ALVEOLINA LIMESTONE, AGER, S PYRENEES, SPAIN  
(Coll. JF. LERBERKHO, 1975)

10468 CHERT NODULE, <sup>TOP OF</sup> ROCKY MTN GP, MT GREENOCK, JASPER  
Coll. JF LERBERKHO, 1976.

- 10469 see 10,468
- 10470 " "
- 10471 MUDCLAST LIMESTONE, L. SHUNDA FM, MT GREENOCK,  
JASPER, (Coll. J.F. LEBBEKMO 1976)
- 10,472 " " , FM 'B' , " "
- 10,473. CRINOIDAL LIMESTONE, FM 'A' , MT GREENOCK  
JASPER (Coll. J.F. LEBBEKMO, 1976)
- 10,474 SANDSTONE, L. BELLY RIVER FM, YAMNUSKA  
QUARRY, MORLEY, ALTA.
- 10,475 SPICULAR? CHERT, ROCKY MT GP, BANFF, ALTA  
ABOVE BOW FALLS ON ROADWAY (Coll. J.F. LEBBEKMO 1976)
- 10476 BIOCLASTIC LIMESTONE, CARBONIFEROUS, NR CULLMAN,  
ALABAMA (Coll. J.F. LEBBEKMO, 1976)
- 10477 CHLAVONITIC SANDSTONE, PALEOCENE, M. WAIPARA  
RIVER, S. ISLAND, N.Z. (Coll. J.F. LEBBEKMO, 1975)
- 10478 BARITE, Sterling, Colorado. (Bought from Wards, Dec. 49, old no 2034)
- 10479 STILBITE, Guanajuato, Mexico. (?)
- 10480 ANALCITE, Heulandite, Stilbite (?) & Calcite. Probably from  
Rennen Hill N.T.

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- 181 CHABAZITE and Calcite, Newark Series, Kibbelhouse Quarry,  
Perkiomenville, Pa. L.S. Russell, 1930.
- 10482 ZOISITE, Franklin Co., Mass.
- 10483 MORDENITE, in Triassic Traps, Morden, Nova Scotia. G.S.C. 1947.
- 10484 HEMATITE, var. Turgite (Pseudomorph after Pyrite) old no ~~W~~ 124, no loc.
- 10485 CALCITE (dog tooth spar) with Pyrite (pyritohedra)  
From # 2 vein at 4<sup>th</sup> level, Silver Bay Mine (Northrim Mines),  
Camsell, River, N.W.T. R.D.M. 1978.
- 10486 MANGANITE, Ilfeld, Harz, Germany.
- 10487 CHALCOCITE, Mamainse, Lake Superior, Algoma District, Ont.  
This ~~is~~ sample was numbered 875 - same ~~no~~ as Galena 875,  
but was not <sup>listed</sup> mentioned in the catalogue. Given new no. Nov. 1978.
- 10488 Curite, Swambo, Shaba, Zaire.
- 10489 EUXENITE, Buena Vista, Chaffee Co., Colorado.
- 10490 FRANCEVILLITE, Mounana, Gabon.
- GADOLINITE,  
10491 Evje, Norway.
- 10492 RENARDITE, Saone et Loire, France.
- 10493 SODDYITE, Swambo, Shaba, Zaire.

- 10494 TORBERNITE, Musonoi, Kolwezi, Shaba, Zaire.
- 10495 TYUYAMUNITE, Yellow Cat district, Grand Co., Utah.
- 10496 VANDENBRANDEITE, Musonoi, Kolwezi, Shaba, Zaire.
- 10497 APJOHNITE, Val d'Adige, Bolzano, Italy.
- 10498 BOTRYOGEN & Epsomite, Libiola, Genoa, Italy.
- 10499 BUKOVSKYITE, Kanks, Bohemia, C.S.S.R. Nov. 1978
- 10500 CELADONITE, Val Duron, Italy.
- 10501 CONNELLITE, St. Just, Cornwall, England.
- 10502 AMPHIBOLE, var. Eckermannite, Norra Karr, Sweden.
- 10503 MATILDITE, Sullivan Mountain, Snake River, Montezuma District  
Summit County, Colorado.
- 10504 CORONADITE, South Mine, Broken Hill, New South Wales, Australia.
- 10505 EPISTILBITE & Quartz, Gibels Bach, Fiesch, Wallis, Switzerland.
- 10506 HERSCHELITE, Aci Castello, Catania, Italy.  
Found on Tourmaline
- 10507 HERDERITE, Xamba Mine, Minas Gerais, Brazil.
- 10508 PYROXENE, var. Fassaitite, Val di Fassa, Italy.



- 10509 HAUSMANNITE, Långban, Sweden.
- 10510 HINSDALITE, Sylvester Mine, Zeehan, Tasmania, Australia.
- 10511 HAUYNE, Ariccia, Italy.
- 10512 HYDROBIOTITE, Oaxaca, Mexico.
- 10513 MALAYAITE, Devon, England. fl. SW - bright yellow.
- 10514 LUDLAMITE, Palermo Mine, North Groton, New Hampshire, U.S.
- 10515 INDERITE, Boron, Kern County, California, U.S.A.
- 10516 MELIPHANITE, Arøy, Langesundsfjord, Norway. (Dana locale).
- 10517 MIXITE & Conicalcite, Gold Hill, Utah, U.S.A.
- 10518 MAGADIITE, Trinity County, California, U.S.A.
- 10519 THUCHOLITE with Erythrite + secondary. U minerals,  
Nicholson property, Goldfields, Sask.
- 10520 GOLD, eluvial, <sup>(4.6 gr.)</sup> from placer deposit, Kenyon Creek, <sup>Moosehorn Range,</sup> Y.T.  
*in REF dish*  
Discovery 1974, Mike Kenyon (Claymore Resources Ltd.)
- 10521 GOLD in quartz vein, Kenyon Creek, Moosehorn Range, Y.T.  
*samples with R.E.F.*  
(Claymore Resources Ltd., Discovery 1974.)
- 10522 SILVER WIRE <sup>(2 gr.)</sup> Vug, Echo Bay Mine, N.W.T.  
Presented to R.E.F. by Norm Edgar ~ 1965.
- 10523 TOPAZ, (Two Gem quality), S.W. Africa. Presented to R.E.F.

- 10524 WILLEMITE with (yellow) Mimetite, Cedar Talisman Mountains,  
Beaver County, Utah. Harold Wright, 1931.
- 10525 SCOLECITE, Ice River, B.C. Coll. J.A.A.
- 10526 CARPHOLITE, Wäppra, Germany.
- 10527 METATORBERNITE, Boulder Co., Colo.
- 10528 HARMOTOME + Calcite, Andreasberg, Hanover.
- 10529 URANINITE<sup>(?)</sup>, Beaver lodge Lake, Saskatchewan, (Black Bay Uranium Lt.)
- 10530 REDWATER REEF LIMESTONE, IMP. EGREMONT 32, 3195 FT.
- 10531 URANINITE?, Ameranium Mines Ltd., E. shore, Beaver lodge Lk.  
D.J. Hemphill, 1954.
- 10532 SWAN HILLS REEF LIMESTONE, CARSON CREEK  
FIELD (6-11-62-12 WS) ALBERTA
- 10533 SANDSTONE, EDMONTON F.M. (MILL CREEK SEWER  
ET CAVATION) EDMONTON. COLL J.F. LEBLANC
- 10534 SANDSTONE, MOUNTAIN VIEW, NORDEGG, ALTA
- 10535 SERPENTINE, var Lizardite, New Imperial Mines: Open pit operation  
"Whitehorse Cu belt" ~ 9 miles S. of Whitehorse on Alaska Hwy. Yukon  
Terr.
- 10536 SERPENTINE, var. Lizardite, New Imperial Mine (open pit)  
Whitehorse, Y.T. R.D.M. 1967.
- 10537 SPHALERITE and Chalcopyrite on Dolomite, Baxter Springs, Kansas.  
(old no 1457-4-) Tri-State Pb-Zn district. Beadle Minerals  
1939.

'538 (1267) CALCITE (nailhead), River Valley, Lethbridge, Alberta  
H. Kunst, 1938.

'0539 CALCITE (old no. 1924-10-), Twinning, Franklin Furnace, N. Jersey  
Zink Mine. Collected in 1937.

'0540 FELDSPAR, Plagioclase var. Labradorite, Klondike Mine, Craigmant,  
Ontario. Old no 1843-15-

'0541 FELDSPAR, Plagioclase var. Labradorite, Labrador. (Old no. 270)  
(Rutherford's coll.)

'0542 FELDSPAR, Plagioclase - Labradorite, Peliere, Etna, Sicily.

'0543 IDOCRASE (Vesuvianite) + blue calcite, <sup>(unknown loc. but)</sup> most certainly from  
Riverside, California. (sample <sup>transferred</sup> from 1570 blue calcite)

'0544 FELDSPAR - Plagioclase - Albite, var. Peristerite xls, Macomb,  
St. Lawrence Co., New York.

'0545 ONCOLITE M. EOCENE, FROM FLUVIAL CHANNEL  
30 KM S.W. OF NARBONNE, S.W. FRANCE, Coll. J.F. LEBRETON, 1975

'0546 ~~CHALCOPYRITE, Sudbury, Ontario. see litge polished section 1942.~~

'0546 DIAMOND, Australia. G.R. Clarke, 1938.

'0547 ARSENO PYRITE (old no 1502) Turnback Lake, N.W.T. Coll. C. Hamilton.

'0548 PYRRHOTITE, (old no 1502) Turnback Lake, N.W.T. Coll. C. Hamilton.

'0549 GALENA, (old no 1502) Turnback Lake, N.W.T. Coll. C. Hamilton.

(sample same as 4602-99-)

'0550 MALACHITE crystals on Wad, Etoile du Congo Mine, near Elizabethville

10551 AZURITE, Bisbee, Arizona, Dr. James Douglas of Phelps-Dodge Min. Co.

10552 HANKSITE, Searles Lake, California. L.H. Cole.

10553 WULFENITE, unknown, possibly Western U.S.

(LACOSTRINE)

10554 ONCOLITE, MIOCENE, S. FRANCE. COLL. J. FLERBAEKMOYS

) 10555 QUARTZ, var. Chalcedony, Agate, Uruguay. <sup>must have been in</sup> display many years. <sup>never lost</sup>

10556 QUARTZ, var. Chalcedony, Agate, no loc. Moodie Coll. 1946. —

10557 QUARTZ, var. Chalcedony, Agate, no loc. Moodie coll. 1946. —

10558 GYPSUM, var. Selenite, Great Salt Lake, Utah, mined in 1935, very rare. gift from Dave & Alice Colvin.

10559 GYPSUM, var. Selenite, Great Salt Lake, Utah; mined in 1935, very rare. gift from Dave and Alice Colvin.

(old no 1240-5-)

10560 TARBUTTITE, Broken Hill Mine, S. Rhodesia, A. Jackson, April 1938.

10561 FELDSPAR - Anorthoclase, in Larvikite, Larvike district, S. Norway,

10562 RADIOLARIAN CHERT, FRANCISCAN FM. (JURASSIC), MARIN CO, CALIF. COLL. PAUL WAGNER, 1978

10563 TERTIARY STOCK, YMIR, B.C. - K. BERNDT THESIS, JULY, 1974

10564 TERTIARY STOCK, JERSEY MINE, B.C. - "

10565 TERTIARY STOCK, ROSSLAND, B.C. - "

10566 TERTIARY DYKES, HALL CREEK, NELSON (W 1/2) B.C. - "

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- 67. METAZEUNERITE, Majuba Hill, Pershing Co., Nevada.
- 10568 MILARITE on Adularia, Valencia Mine, Guanajuato, Mexico.
- 10569 MIARGYRITE with minor Pyrargyrite, San Genaro Mine,  
~~Huancavalica~~ Huancavalica, Peru.
- 10570 METAVARISCITE in Chert, Utahite Hill, near Lucin, Box Elder  
Co., Utah.
- 10571 BAYLDONITE on Quartz, St. Day, Cornwall, England.
- 10572 BEUDANTITE, Mina San Felix, Caborca, Sonora, Mexico.
- 10573 CHLORITE, var. Chamosite, Saalfeld, Thuringia, Germany.
- 10574 CORUNDUM, var. Ruby, Ithosy, Madagascar. August, 1979
- 10575 CORUNDUM, var. Sapphire, Beartrap Mine, Gallatin Co., Montana.
- 10576 FRONDELITE, ~~Moculta~~, Moculta, South Australia, Australia.
- 10577 LEPIDOCROCITE in Goethite, Malvern, Chester Co., Pennsylvania.
- 10578 RATHITE in Marble with Realgar, Binnental, Switzerland.
- 10579 HEAZLEWOODITE in Serpentine, Heazlewood River, Tasmania,  
Australia.
- 10580 ~~B~~ TROLLEITE, near Laws, Mono Co., California.
- 10581 ZUSSMANITE, Laytonville, California.

- 10582 AMPHIBOLE, var. Tremolite with  
SERPENTINE, var. Clinochrysotile, Wheaton Creek Prospect, B. C.  
R. Day, 1979
- 10583 URANINITE (4 specs.), Chaput Payne Property, Lot I, Range VII,  
Eardley Tp., Gatineau Co., Quebec.
- 10584 SMECTITE, var. Beidellite, Fort Sandeman, Pakistan.
- 10585 SMECTITE, var. Beidellite, Beidell, Saguache Co., Colorado, U.S.A.  
(type locality)
- 10586 CELADONITE, Mt. Baldo, near Verona, Italy.
- 10587 SMECTITE, var. Nontronite, Garfield, near Spokane,  
Washington, U.S.A. (API standard clay -  
American Petroleum Institute)
- 10588 SMECTITE, var. Hectorite, Hector, California. (Type locality)  
(A.P.I. standard)
- 10589 Illite, Fithian, Illinois, (A.P.I. standard clay)
- 10590 HALLOYSITE, Wagon Wheel Gap, Colorado (API standard clay)
- 10591 DICKITE, St. George, Utah. (API standard clay)
- 10592 ATTAPULGITE, Gadsden Co., Florida. (API standard clay)
- 10593 PYROPHYLLITE, Robbins, Moore County, N. Carolina.  
(API standard clay)
- 10594 SMECTITE, var. Montmorillonite, name Askana Bentonite  
(alkaline earth), Georgian SSR.
- 10595 SMECTITE, var. Montmorillonite, name Askana Bentonite (alkali)  
loc. Georgia SSR.

96 SMECTITE, var. Montmorillonite, name: "yellow gumbrin", loc:

Gumbri, near Tskhaltubo, Georgia, U.S.S.R.

10597 SMECTITE, var. Montmorillonite, Gumbri, near Tskhaltubo, Georgia, U.S.S.R. (name: "pink gumbrin")

10598 GARNIERITE (mixed nickel hydrosilicates), Plateau Superieur TH 10, New Caledonia.

10599 GYPSUM JURASSIC? AMARANTH FM, GYPSUMVILLE MAN COLL, P. WATERS

0600 SANDSTONE WITH DICKITE?, TERTIARY, VENEZUELA; COLL, D.A. TAYLOR

0601 SANDSTONE (FERRUGINOUS); NUBIAN SS; SINAI PENN; COLL, N. COHEN

0602 SHALE; PHOSPHATIC?, PERMIAN? JASPER HWY, JASPER PARK, ALTA.

0603 CHERT? PERMIAN " " "

0604 ARCHAEOCYATHID LS L. CAMBRIAN; AJAX MINE; FLINDERS R, S. AUST.

0605 DOLOMITIC CRUST, RECENT, N. STROMATOLITE LK, COORONG. S. AUST. ↗

0606 DOLOMITIC CRUST: " MILNE LK. COLL. J. F. LIEBBIKHO, 75

0607 STROMATOLITIC CRUST, RECENT, STROMATOLITE LK, " " " "

0608 SILICIFIED? NODULEAR ZONE U. BATTLE FM. ~~RAVENS~~ QUARRY 2 MI. W. OF RAVENS CRAIG, SASK. COLL. J.F. LIEBBIKHO, 1980

0609 SILICIFIED? NODULE, TOP OF BATTLE FM (JUST BELOW RAVENS CRAIG (OR FRENCHMAN?) BUFF CHANNEL SS) SAME LOC. AS. 10608 JFL/80

0610 SANDSTONE, U. TERTIARY, STERLING FM, COOK INLET, ALASKA. NEAR HOMER (COLL. J.B. HAYES, No 3055-4)

0611 SANDSTONE, U. TERT., STERLING FM NEAR CLAM GULCH, ALASKA. (COLL. J.B. HAYES (No. 3187-3))

0612 CONCRETION, STERLING FM. (see 10610)

0613 SANDSTONE, BELUGA FM, U. TERT., NEAR HOMER, COOK INLET, ALASKA (COLL. J.B. HAYES No 3058-2)

0614 SANDSTONE, MISS., BETHEL FM, MUELLENBERG Co, KY, (COLL. P.F. POTTER)

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10615 SANDSTONE, ST. PETERS, ORD. MISS. R. FUEL No A-15 THESBALD  
912-917', MONROE Co, ILL. (Coll. R.E. POTTER)

10616 SANDSTONE, RANGER CANYON?, PERM., TALBOT LK,  
JASPER PARK, ALTA Coll. J.F. LEBBEKMO,  
1980

10617 TO 10626 K. BERNDT M.Sc. THESIS SUITE,  
SALMO - ROSSLAND AREA, B.C. - CORYELL INTRUSIV.  
AUGUST, 1980.

e.  
10618 MANGANOPHYLLITE with Magnetoplumbite, Langban, Vermland,  
Sweden. #8429  
(5306-17)

10619 AMPHIBOLE, Actinolite, var. Nephrite, Kwanika River, B.C.  
3 sides cut, not much pattern, fractures, ~~2~~ old no # 5306-17-

s 10620 TOURMALINE, var. ~~Bu~~ ~~Bu~~ ~~bergerite~~ Buengerite, San Luis Potosi, Mexico

10621 CERUSSITE (Chrome-Cerussite) Kapi Mine, Dundas, Tasmania

10622 KLEBELSBERGITE, Pereta Mine, Grosseto, Italy.

10623 LITHIC SANDSTONE, MESA VERDE FM, SIERRA Co, N. MEXICO, ~~Coll.~~  
Coll. J.F. LEBBEKMO

10624 LITHIC SANDSTONE, DATIL FM, APACHE Co, ARIZONA Coll. R.L. FOLK

10625 LITHIC SANDSTONE, CIERBO-NEROLY FM, McDONALD #1 WELL, 2930', McDONALD IS  
(1695-21) SAN JOAQUIN Co, CALIF. Coll. J.F. LEBBEKMO, 1955

2) 10626 LITHIC SANDSTONE, CIERBO-NEROLY FM, HOSPITAL CR, SAN JOAQUIN Co  
(1695-127) CALIF. Coll. J.F. LEBBEKMO, 1955



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- 627 ARSENOPYRITE, Hedley, British Columbia. 1
- 10628 TOURMALINE, var. Schorl, Havredal, Bamle, S. Norway. R.D. 1  
Morton
- 10629 SILVER, Eldorado Mines, Gt. Bear Lake, N.W.T. (old no. 13976) 1
- 10630 SILVER, Eldorado Mines, Gt. Bear Lake, N.W.T. (old no. 13976) 1
- 10631 BARITE, 20 miles from Butte, Pole Mt., Montana. 1
- 10632 RHODOCHROSITE with Galena & Sphalerite, Raura, Peru. 1
- 10633 FLUORITE, Roseclaire, Illinois 1
- 10634 FELDSPAR - Microcline var. Amazonite, Teller Co., Colorado. 1
- 10635 CALCITE pseudomorph after Glauberite, Camp Verde,  
Yavapi County, Arizona. 1
- ~~10636 CALCITE pseudomorph after Glauberite, Camp Verde,  
Yavapi County, Arizona. 1~~
- 10636 ZIPPEITE, Ambrosia Lake Dist., McKinley Co., New Mexico. 1
- 10637 CORDIERITE with Biotite and Chlorite, Fossingfjord, Telemark,  
S. Norway. Coll. R.D. Morton. 1
- 638 ANTHONYITE, Villa Hermosa, Sonora, Mexico. 1
- 10639 CHAROITE, at Chara and Olekma rivers, near Lena river, near Oleminsk,  
Yakutsk, U.S.S.R. 1

## Tephroite

- 10640 ERICSSONITE and Orthoericssonite with Tephroite and schefferite, Langban, Sweden.
- 10641 IRIDOSMINE, Syssertsk, near Nizhne Tagilsk, Urals, U.S.S.R.
- 10642 MANGANBERZELIITE, Langban, Wermaland, Sweden.
10643. QUARTZ, var. Rock Crystal, Hot Springs, Arkansas. (old # W22)
- 10644 QUARTZ, with inclusions of Rutile, Diamantina, Brazil (old # 460 - 84)
- △ (old no. W159)
- 10645 QUARTZ, Chalcedony, var. Agate, Agumi, Oitama, Ugen, Japan.  
From U.S. National Museum, Jan. 1936
- △ (old no. W145)
- 10646 QUARTZ, near Amethyst, Geode, Keokuk, Iowa. W. A. Kelly, 1932.
- △ (old no. W146)
- 10647 QUARTZ, Milky - Geode, Keokuk, Iowa, W. A. Kelly, 1932
- 10648 QUARTZ, var. Amethyst, unknown
- 10649 MALACHITE, Etoile du Congo Mine, near Elizabethville, Zaire.  
Three samples: old no: 4602-97, 4602-98, 4602-101.
- 10650 FELDSPAR - Albite, var. Peristerite, Hybla, Ontario. (old no. 1268-11)
- 10651 SODALITE, Bancroft, Ontario. (old no. 1268-35 and W166)
- 10652 SODALITE, Ice River, British Columbia.  
(old no 4602-72)
- 10653 FELDSPAR - Plagioclase, var. Oligoclase (sunstone) Norway.

- 10654 FELDSPAR, Microcline, var. Amazonite, Tvedestrand, Norway.
- 10655 FELDSPAR, Microcline, var. Amazonite, unknown, but ~~most~~  
probably ~~certainly~~ from El Paso County, Colorado, U.S.A.
- 10656 WULFENITE, unknown,
- 10657 AZURITE, unknown, but most certainly from Bisbee, Arizona.
- 10658 Chalcopyrite on Sphalerite, Baxter Springs, Kansas. (old no 1457-3)  
(Minerals from Tri-State Pb-Zn district, bought from "Boodle"  
Minneapolis)
- (old no. 2005-6)
- 10659 PYRITE, Morococha Mine, Cerro de Pasco Copper Corp.,  
South America. Presented by J. P. Elwell, Mining '40, Sept 1949.
- 10660 PYRITE & Galena, Washington Camp, Arizona. (old no. 4602-77)  
Purchased from Scott-Williams Mineral Company, Scottsdale, Arizona.  
Oct 1961.
- 10661 MARCASITE, Baxter Springs, Kansas. (old no. 1457-1-) Dec 1939  
Minerals from Tri-State Pb-Zn dist., bought from "Boodle", Minneapolis
- 10662 PYROXENE - Spodumene, var. Kunzite, loc. unknown.
- 10663 PYROXENE - Spodumene, unknown
- 10664 GARNET, India.
- 10665 SPHALERITE, Cananea, Mexico.
- 10666 SPHALERITE, Middleton-in-Teeside, England. (old no 4602-89)

- 10667 ARSENOPIRITE, Parral, Mexico. (old no. 4602-41)
- 10668 RHODONITE, Salt Spring Island, B. C. ?
- 10669 RHODONITE, Franklin, Sussex Co., New Jersey, U.S. ?  
(old no 4602-112)
- no. 10670 PYROXENE - Spodumene, var. Hiddenite, Cuyete, Brazil.
- 7-3 10671 OLIVINE, ~~var.~~ (Peridot), San Carlos, Arizona.
- 10672 MALACHITE, Likasi, Katango, Congo.
- 24 10673 BRAZILIANITE, Minas Gerais, Brazil.
- 77) 10674 VARISCITE, unknown, donated by Scott Reid.
- 10675 HOWLITE, (dyed blue) California.
- 39 10676 BARICITE, Cross Cut Creek, Rapid Creek, Yukon.
- 10677 GORMANITE/SOUZALITE, <sup>+ Siderite</sup> Stone Man Camp, Rapid Creek, Yukon.
- 10678 GORMANITE/SOUZALITE, <sup>+ Siderite</sup> Big Fish River, Yukon.
- 10679 GOYAZITE, Siderite, Quartz, <sup>&</sup> Kulanite, Stone Man Camp,  
Rapid Creek, Yukon.
- 10680 KULANITE, Siderite, Apatite & Lazulite, Stone Man Camp,  
Rapid Creek, Yukon.

- 10681 WHITEITE, Cross Cut Creek, Rapid Creek, Yukon.
- 10682 WOLFEITE, Big Fish River, Yukon.
- 10683 MARICITE, Big Fish River, Yukon.
- 10684 SATTERLYITE, Big Fish River, Yukon.
- 10685 AURORITE in Calcite (grey-white micrograins) Aurora Mine,  
Treasure Hill, Hamilton, White Pine County, Nevada.
- 10686 BARIANDITE, Mounana Mine, Haut-Ogoue, Gabon. (type locale)
- 10687 KLEBELSBERGITE, Pereta Mine, near Grosseto, Tuscany, Italy.
- 10688 KOETTIGITE, Ojuela Mine, Mapimi, Durango, Mexico.
- 10689 PERETAITE on Kermesite (red) with Stibnite, Pereta Mine,  
near Grosseto, Tuscany, Italy.
- 10690 RAMSDELLITE, Lake Valley, Sierra Co., New Mexico.
- 10691 ZAPATALITE, N.W. of Cerro Morita, 27 Km S.W. of Agua Prieta,  
Sonora, Mexico. Type locale.
- 10692 CARMINITE, Ojuela Mine, Mapimi, Durango, Mexico.  
Dana locale.
- 10693 DADSONITE, (lead grey) Wolfsberg, Harz Mts., Germany.

10694 - Franckeite

"D" vein, 220 level, San José Mine, Oruro, Bolivia

10695 - Cerussite w/ Lanarkite & Hydrocerussite

Listed under Lanarkite 10695 also under Hydrocerussite  
loc. C & B Mine, Gila County, Arizona

10696 - Pseudoboleite on Boleite

Amelia Mine, Santa Rosalia, B.C., Mexico

10697 - Coloradoite (black) w/ Tlapallite (green) listed under Tlapallite

Mina Bambollita, Moctezuma, Sonora, Mexico

10698 - Carnotite w<sup>c</sup> listed under Weeksite 10698.

Anderson Mine, Yavapai County, Arizona

10699 - Cervantite on sample of Antimony

Listed under Antimony 10699  
loc. Kern Co., Calif.

10700 - Bahianite

Paramirim region, Bahia, Brazil

10701 - Brownmollerite Bellerberg, Eifel, West Germany May, 1981

10702 - Cacoxenite on rock

Garland County, Arkansas

10703 - Carrboydite

Carr Boyd Nickel Mine, Western Australia May 1981

10704- Challantite

Gilt Edge Mine, near Galena, South Dakota

10705- Clarkeite

Fanny Gouge Mine, Newdale, Yancey Co., North Carolina

10706- Cuprocopiaite w/ other sulfates

Bisbee, Arizona

10707- Diaphorite + in Quartz

Morey, Nevada

10708- beta - Duf tite on rock

Mt. Bonney, Northern Territory, Australia

10709- Ettringite w/ Afwillite on Rock

Boissejour, Pay-de-Dome, France

10710- Fluellite on rock

Tuscarora Mine, Rich County, Utah

10711- Siderite on sample of <sup>also listed under</sup> Gayazite w/ Fluorapatite & Quartz  
Palermo Mine, North Groton, New Hampshire

10712- Jamborite on Millerite in rock <sup>also listed under</sup> Millerite  
C'a del ladri, Bologna, Italy

10713- Kobellite in rock

Crabtree Quarry, Wake County, N. Carolina

- 10714- Kogarkoite w/ Tamarugite ← also listed under  
Vulcano, Italy
- 10715- Lamprophyllite w/ Murmanite, Acmite also listed  
Mt. Rasvumchorr, Kola Peninsula, USSR. under  
Murmanite
- 10716- Loparite  
Kola Peninsula, U.S.S.R.
- 10717- Lorenzenite, var. Ramsayite in Acmite also listed  
Kola Peninsula, USSR under  
Pyroxene
- 10718- Eudialyte on sample of Lovozerite listed under  
Kola Peninsula, U.S.S.R. Lovozerite
- 10719- Magnesioastrophyllite  
Mt. Rasvumchorr, Chibiny massif, Kola Peninsula, USSR
- 10720- Eudialyte on sample of Magnesio Riebeckite  
listed under Amphibole, var. Riebeckite  
Norra Karr, Kaxtorp, Granna, Sweden
- 10721- Mendipite  
Mendip Hill, Somerset, England
- 10722- Metasideronatrite on Pickeringite, Alunogen  
Vulcano, Italy
- 10723- Norsethite w/ Barite  
Rosh Pinah, Southwest Africa (Namibia)



10724-

10725-

10726 - Petarasite in Nepheline syenite  
De-Mix Quarry, Mont St. Hilaire, Quebec, Canada

10727 - Pharmacolite  
Criss Creek, near Savona, B. C.

10728 - Pinakiolite  
Langban, Sweden

10729 - Polycrase in rock  
Hidra, V-Agder, Norway

10730 - Polymignite in syenite  
Tveidalen, Langesundsfjord, Norway

10731 - Posnjakite on rock  
Drakewalls Mine, Gunislake, Co. Cornwall, England

10732 - Pyroaurite on marble  
Langban, Sweden

10733 - Rockbridgeite w/ other phosphates  
Tip Top Mine, Custer County, South Dakota

- 10734 - Rosenbuschite in rock  
Barkevik, Langesundsfjord, Norway
- 10735 - Saleeite in rock  
Halajula Junction, Calif.
- 10736 - Scholzite on Limonite  
Reaphook Hill, eastern Flinders Range,  
South Australia, Australia
- 10737 - Selenium on sandstone  
Grants, New Mexico
- 10738 - Warwickite in marble  
Warwick, New York
- 10739 - Whitlockite with Siderite  
Palermo Mine, North Groton, New Hampshire
- 10740 - Weberite with Ralstonite also listed under  
Eureka Pass, Colorado Ralstonite
- 10741 - Oincolite; "Shunda" miss Talbot Lake, Jasper
- 10742 - A-D; Mount Head, Miss or Penn, Talbot Lake, Jasper  
Dolomite; uppermost dolomite unit (above chert pebble Breccia) below Basal Permian
- 10743 - Sandstone; Mt Head Miss? or Penn?, Talbot Lake, Jasper  
Lens (channel) ~ 5m below basal Permian "Pebble Col"  
qtz sst + Dolo cement

- 10744 - Silicified Sandstone; Permian Rocky Mt. Group, Talbot Lake, Jasper  
2 hand samples and a thin section
- 10745 - Arsenopyrite, banded, and Pyrrhotite in Quartz  
600 level, Jardine Mine, Park County, Montana, USA
- 10746 - Pyrrhotite in Quartz w/ few grains of gold in Pyrrhotite  
600 level, Jardine Mine, Park County, Montana, USA
- 10747 - Arsenopyrite, coarse, in Quartz  
600 level, Jardine Mine, Park County, Montana, USA
- 10748 - Arsenopyrite with Quartz & Chlorite  
4100 level, Homestake Mine, Lead, South Dakota
- 10749 - Amphibole var. Cummingtonite (coarse)  
4100 level, Homestake Mine, Lead, South Dakota
- 10750 - Chlorite on sample of Arsenopyrite w/ Quartz & <sup>minor</sup> Pyrrhotite  
listed under Arsenopyrite and under Pyrrhotite  
4100 level, Homestake mine, Lead, South Dakota
- 10751 - Native Copper  
loc. 34 level, Centennial Mine, Calumet & Hecla Conglomerate, Houghton County,  
Keweenaw Peninsula, Michigan
- 10752 - Native Copper  
loc. 34 level, Centennial Mine, Calumet & Hecla Conglomerate, Houghton Co.,  
Keweenaw Peninsula, Michigan
- 10753 - Native Copper  
loc. 34 level, Centennial Mine, Calumet & Hecla Conglomerate, Houghton Co.  
Keweenaw Peninsula, Michigan

10754-

10755-

10756-

10757- Molybdenite in Quartz  
Middle Inlet, Marinette County, Wisconsin

10758- Biotite  
Bigspruce Is., Bigspruce Lake, N.W.T.

10759- Biotite  
Bigspruce Lake, N.W.T.

10760- Amphibole, var. Riebeckite  
Big Spruce Lake, N.W.T.

10761- Amphibole, var. Riebeckite  
Big Spruce Lake, N.W.T.

10762- Barite  
Tributary of Cornwall Creek, Richardson Mts., Yukon  
Territory

10763- Rhodochrosite  
Tsumeb Mine, ~~A~~ Namibia

- 10764 - Quartz, var. Milky  
Farm Vaalgras 38, 40 Km E. of Windhoek, Namibia
- 10765 - Quartz, var. Rock Crystal  
Farm Vaalgras 38, 40 Km. E. of Windhoek, Namibia
- 10766 - Amphibole, var. Actinolite  
Marin County, Calif.
- 10767 - Scapolite w/ Apatite  
W. Portland, Quebec
- 10768 - Feldspar      Microcline  
Quebec
- 10769 - Pyroxene, var. Diopside in Calcite  
Probably from The Desmont property, lot 31, concession XVII  
Monmouth Township, Haliburton County, Ontario
- 10770 - Feldspar - Plagioclase Albite, var. Peristerite  
Bicroft Mine, lots 27-28, Concession XI, Cardiff Township,  
Haliburton County, Ontario
- 10771 - Fluorite in Calcite  
Dwyer Property lot 8, concession XXII, Cardiff Township,  
Haliburton County, Ontario
- 10772 - Amphibole, var. Tremolite  
Gibson Road, Tory Hill, Monmouth Township,  
Haliburton County, Ontario
- 10773 - Amphibole, var. Tremolite  
Dancey Property lot 20, concession II,  
Snoeden Township, Haliburton Co., Ontario

10774 - Cancrinite & Sodalite

listed under Sodalite 10774

Princess Quarry, Bancroft, Ontario

10775 - Corundum & Biotite in Nepheline syenite

Lily Robertson occurrence, Robertson Hill,  
Bancroft, Ontario

10776 - Pyroxene, var Diopside

Mc Fall Lake occurrence, near Bird's Creek, Bancroft,  
Ontario

10777 - Feldspar - Plagioclase Albite var. Peristerite

Galway Township, Peterborough Co., Ontario

10778 - Garnet in Biotite schist

Bancroft Mine, lot 27-28, concession XI

Cardiff township, Haliburton Co., Ontario

10779 - Cryolite w/ Calcite & Weloganite

Francon Quarry, Montreal

10780 - Sphene syn. Titanite

Mc Fall Lake occurrence, near Bird's Creek  
Bancroft, Ontario

10781 - Quartz, var Chalcedony (Fossil wood)

Petrified forest, Arizona

10782 - Pyroxene, var. Diopside w/ Amphibole, var Tremolite

Wildhorse R. BC

also listed under

10783 - Barite

Knoch, Westermoreland, England

10784 - Vanadinite

Sierra de los Lamentos, Chihuahua, Mexico

10785 - Aurichalcite

Ojuela Mine, Mapimi, Mexico

10786 - Tennantite

Zacatecas, Mexico

10787 - Sphalerite on sample of Pyrrhotite ← also listed under  
Chihuahua, Mexico

10788 - Feldspar Pb-bearing Orthoclase (green)

North Mine (27<sup>th</sup> level), Broken Hill, N.S.W., Australia

10789 - Aragonite (fl. white)

Mt. Cook, New Mexico

10790 - Gypsum, var. Selenite (rosette)

Dickens, Texas

10791 - Fluorite

Otari, S.W. Africa

10792 - Amphibole var. Glaucophane

Sonoma Co., Calif.

10793 - Glaucconite

Hazlet, New Jersey

10794 - Pyroxene, var. Enstatite  
Nye, Montana

10795 - Magnetite on sample of Sillimanite <sup>listed under</sup>  
Benson Mine, New York <sub>Sillimanite</sub>

10796 - Garnet, var. Pyrope - Rhodolite  
Macon Co., North Carolina

10797 - Siderite  
Aoda Creek Road, Guesnel, B.C.

10798 - Psilomelane  
near Lordsburg, New Mexico

10799 - Cerussite  
Ruacana Oramboland, South West Africa

10800 - Chalcopyrite on sample of Sphalerite <sup>Also listed</sup>  
Ballard Mine, Galena, Kansas <sub>under</sub>

10801 - Amphibole - Richterite var. Fluor-Richterite  
Wilberforce, Ontario

10802 - Pyromorphite  
Society Girl Claim, Moyle, B.C.

10803 - Bournonite w/ Barite  
Mineral King Mine, Athalmer,  
Toby Creek Road, B.C.



- 10804- Smithsonite on sample of Woodruffite ← <sup>also listed under</sup>  
Moonshine claims, → Willet Mine, near Ladlow, B.C., Canada
- 10805- Chalcoalumite w/ Halotrichite, Copiapite, Alunogen, etc.  
Listed under Halotrichite 10805 also under Copiapite &  
Spatsum claim, Cache Creek, B.C. under Coquimbite
- 10806- Quartz, w/ inclusions of Rutile ← listed under  
Brazil
- 10807- Stibnite  
Kwantung Province, China
- 10808- Tsumcorite and Willemite  
Tsumeb, S.W. Africa
- 10809- Sugilite  
Wessels Mine, N. Cape Prov., S. Africa
- 10810- Coronadite  
Tsumeb, S.W. Africa
- 10811- Jeremejevite  
Mile 72, North of Swakopmund, S.W. Africa
- 10812- Leadhillite  
Tsumeb, S.W. Africa
- 10813- Cyanotrichite  
Tsumeb, S.W. Africa

- 10814- Ludlockite  
Tsumeb, S. W. Africa
- 10815- Willemite  
Berg Aukas, S. W. Africa
- 10816- Gorceixite  
Rapid Creek, Yukon Territory
- 10817- Albite, var. Clevelandite from Amelia Court House, Virginia  $\text{NaAlSi}_3\text{O}_8$
- 10818- Gypsum, var. Selenite Rose  
Timimoune Argeli, Algeria
- 10819 - Albite, var. Clevelandite with tourmaline from Virgem Da Lapa Mine, Minas  
Gerais, Brazil  $\text{NaAlSi}_3\text{O}_8$
- 10820-
- 10821- Garnet, Rhodolite, var. of Pyrope  
Macon County, North Carolina
- 10822- Garnet, var. Grossular on Diopside  
Brompton Lake, Magog, Quebec
- 10823- Opal, var. Hyalite w/ <sup>Torbernite</sup> Torbenite listed under Torbernite  
Chalk Mine, Spruce Pine, N. C.

10824 - Inesite

Hale Creek Mine, Trinity Co., Calif.

10825 - Hollandite

Nancy Mine, Rattlesnake Canyon, Socorro Co., N. M.

10826 - Pyromorphite

9 level, Jersey Vein, Buucker Hill mine, Kellogg, Idaho

10827 - Goethite

Lake George, Colorado

10828 - Quartz, var Chalcedony Jasper (fossil wood) w/Groutite

Apache County, Arizona

also listed under

10829 - Groutite

Roberts Mine, Cayuna, Minn.

10830 - Kutnahorite

N'Chwaning Mine, Kurman, S. Africa

10831 - Veselynite, var. Barthite with Calcite

Mahthuala, Mexico

10832 - Tarnowitzite, var. of Aragonite

Tsumeb, S.W. A

also listed under

10833 - Thorianite

near Betroka, Madagascar

10834 - Amaranthite. Chuquibambilla, Chile. Purchased at the Tucson Gem + Mineral Show, February 1982 for \$7.50

10835 - Murdochite xls.  
Bingham, New Mexico

10836 - MacFallite  
Manganese Expl. Mine, Copper Harbor, Michigan

10837 - Caledonite  
Baker, California February, 1982

10838 - Kentrolite  
Hillsboro, N. M.

10839 - Villiaumite  
Rouma, Isles de Los, Guinea, West Africa

10840 - Cavansite  
Ouyhee Res., Malheur Co., Ore.

10841 - Callaghanite

10842 - Gaspeite  
Lemieux Twp., Quebec

10843 - Pyroxene - Diopside var. Scheffersite  
Franklin, Sussex County, New Jersey

- 10844 - Amphibole - - Byssolite a fib. var. of Actinotite -  
French Creek, Pennsylvania Tremolite
- 10845 - Hidalgoite  
Gold Hill, Utah
- 10846 - Moraesite on Brazilianite  
Minas Gerais, Brazil
- 10847 - Ludlamite w/ Xanthoxenite & Vivianite <sup>listed under</sup>  
Palermo Mine, North Groton, New Hampshire <sup>Xanthoxenite</sup>  
<sup>and Vivianite</sup>
- 10848 - Rutile xls  
Adams mine, Alexander Co., Hiddenite, N. Carolina
- 10849 - Diopase on Kinoite <sup>listed under Kinoite w/ Diopase</sup>  
Christmas Mine, Gila Co., Arizona
- 10850 - Stringhamite & Whelanite  
Christmas Mine, Gila Co., Arizona
- 10851 - Mangano-columbite  
Globe Mine, Rio Arriba Co., New Mexico
- 10852 - Turquoise  
Copper King Mine, Arizona
- 10853 - Beryl r Red  
Wah-Wah Mts. Southwestern, Utah

10854 - Garnonite  
Thurston Co., Washington

10855 - Euclase & Smoky Quartz  
Boomer Mine, Badger Flats, Park Co., Colorado

10856 - Tiemannite  
Lucky Boy Mine, Marysvale, Utah

10857 - Cuprosklodowskite, Zaire in GH 1-08. 'hot'

10858 - Quartz, var Milky  
Dominican Rep.

10859 - Paravauxite or Wavellite  
The Tin mine, Llallagua, Bolivia

10860 - Ulexite  
Mojave Desert Mines of Death Valley, California

10861 - Stilbite, Collector Unknown, from Skamania Co., Washington.  
With associated Heulandite  
in Cabinet NW1 of the Mineralogy/Petrology Museum.

10862 - Realgar  
Nevada

10863 - Cristobalite in Obsidian  
California

10864 - Sulfur  
Nevada

10865 - Bismuth (hopper crystals) purch. Tucson Rocks  
Men. Show 1982

10866 - Alum Potassium Alum?  
Synthetic

10867 - Silicon crystal boule  
synthetic

10868 - Sodalite, var. Hackmanite (fluorescent)  
Dungannon Twp., Ontario

10869 - Willemite & Franklinite also under Franklinite  
Franklin Furnace, New Jersey

10870 - Willemite & Franklinite (gem var. Willemite)  
Franklin Furnace, New Jersey also under Franklinite

10871 - Fluorite  
Clay Centre, Ohio

10872 - Willemite w/ Zincite and Feldspar also listed  
Old Damp, Franklin, New Jersey under  
Zincite

10873 - Celestite & Fluorite also under Fluorite  
Clay Center, Ohio

10874 - Sphalerite w/ Wurtzite ← also listed under  
Beaver County, Utah

10875 - Calcite  
Franklin, New Jersey

10876 - Sphalerite  
Tsumeb, S. West Africa

10877 - Esperite w/ Willemite  
Franklin, New Jersey

10878 - Autunite very fluorescent!  
Ruggles Mine, near Grafton Centre,  
New Hampshire

10879 - Leucophoenicite  
Franklin, New Jersey

10880 - Willemite and Franklinite ← listed under  
Old Dump, Franklin, New Jersey

10881 - semi-Opal  
Virgin Valley, Humboldt Co., Nevada

10882 - Opal, var. Hyalite  
Stone Mountain, Georgia

10883 - Willemite and Calcite  
Franklin, New Jersey



- 10884 - Scapolite  
Grenville, Quebec
- 10885 - Willemite w/ Franklinite and Zincite  
Franklin Furnace, New Jersey
- 10886 - Franklinite w/ Willemite, Zincite & Calcite  
Franklin Furnace, New Jersey
- 10887 - Willemite w/ Zincite and Franklinite  
Franklin Furnace, New Jersey
- 10888 - Scheelite fluorescent  
Matashewan Consolidated Mines Ltd., Ontario
- 10889 - Scheelite very fluorescent!  
177' east of 20 (3200'?) Hollinger, Porcupine Gold Mines,  
Ontario
- 10890 - Halite very fluorescent (pink)  
Amboy, San Bernardino Co., Calif.
- 10891 - Sphalerite  
Junction Shaft, Bisbee, Cochise Co., Arizona
- 10892 - Franklinite w/ Willemite & Calcite  
Franklin Furnace, New Jersey
- 10893 - Franklinite and Calcite  
Franklin Furnace, New Jersey

10894 - Zincite & Franklinite also listed under  
Franklin Furnace, New Jersey

10895 - Schroeckingerite very fluorescent!  
near Wamsutter, Wyoming

10896 - Muscovite, Finlay R. Dist, B.C. (2 spec.)  
Wm. Macintosh 1925 W49,50

10897 - Muscovite from Pegmatite Sneezy Cr. BC.  
R.L.R. 1932 also W198.

10898 - Muscovite. <sup>Big Bend Area</sup> Location Unknown. from Moodie Collection - also M1800  
In Cabinet #11, upper of the Mineralogy/Petrology Museum.

10899 - Gypsum from Jalkland, B.C. - Collected by J.A.A. in Sept. 1931 - also Gyp 15  
In Cabinet #3, upper of the Mineralogy/Petrology Museum.  
Acquired from Gypsum dome and Alabastine, Canada Ltd. of Calgary.

10900 - Gypsum from G.L. and A. Co. quarry, Jalkland, B.C. - Collected by JAA  
- also M1960-15 - In Cabinet #3, upper of the Mineralogy/Petrology Museum

10901 - Meteoric - Messiel

10902 - Meteoric - Messiel

10903 - Bjurböle meteorite

10904- Melanite Kebrook

10905- " L'Augli

10906- Moorsfoot

10907- Mocs

10908-

10909- Skiff

10910- Melanite Clagronstone

10911- Melanite - fused non filings

10912-

10913-

10914-

10915-

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10950 - PbZn 18 Galena: Slope P13 Sullivan Mine BC  
- coll. P.D. McArthur

Min/PET  
MUSEUM  
#30.

10951 - Dyrite, from Sullivan Mine, Kimberley, B.C. - also M1849 (-1-?) -  
Collected by J.W. Reynolds - Acquired in Jan. 1947 as part of a Suite of minerals, mainly clean  
pieces suitable for student study as requested from Sullivan Mine, about 100 lbs. - malachite, galena, sphalerite, arsenopyrite

10952 - Calcite, from Sullivan Mine, Kimberley, B.C. - also W103 - Collected by  
P.D. McArthur, acquired in 1929 - in Cabinet #3, upper of the Min/Pet Museum.

10953 - Sphalerite, from Sullivan Mine, North ore body, Kimberley, B.C. - also PbZn 76 -  
Collected by R.L.R. - Acquired in May, 1927 - in Cabinet #3, upper of Min/Pet Museum.

10954 - Sphalerite from Sullivan Mine, Kimberley, B.C., lower level - also Pb-Zn 17 -  
Collected by J.A.A - Acquired in May, 1927 - in Cabinet #3, upper of Min/Pet Museum.

10955 - Galena from Sullivan Mine, North Ore Body, Kimberley, B.C. - also Pb-Zn 15 -  
Collected by R.L.R. - Acquired in 1924 - in Cabinet #3, upper of Min/Pet Museum.

10956 - Galena from Sullivan Mine, Pillar of Slope P-13, Kimberley, B.C. - also Pb-Zn 19 -  
Collected by P.D. McArthur - Acquired in 1929 - in Cabinet #3, upper of Min/Pet Museum.

10957 - Galena (Coarse and fine Banded) from Sullivan Mine, Pillar of Slope P-13, Kimberley, B.C. -  
also Pb-Zn 19 - Collected by P.D. McArthur. - Acquired on May 5, 1929 - in Cabinet #3, upper  
of Min/Pet Museum

10958 - Galena from Sullivan Mine, Kimberley, B.C. - M2149 (Which Subdivision?) -  
Collected by W.F. Turnbull - Jolded ore - in Cabinet #3, upper of Min/Pet Museum.

10959 - Galena from Sullivan mine, Kimberley, B.C., Slope P-13 - also Pb-Zn 18 -  
acquired in 1929, - in cabinet #3, upper of the min/pet museum - Collected by  
P.D. McArthur.

10960 - Galena from Sullivan Mine, Slope P-13, Kimberley, B.C. - also Pb-Zn 18 -  
Collected by P.D. McArthur - Pb-Zn Ore acquired in 1929 - in Cabinet #3, upper of Min/Pet  
Museum.

10961 - Garnet Rock from Sullivan Mine, Kimberley, B.C. - also W151 - Collector Unknown -  
in Cabinet #3, upper of min/pet Museum.

10962 - Amphibole var. Actinolite from Sullivan Mine, Kimberley, B.C. - also M1849-2 -  
Collected by J.W. Reynolds. - Acquired in 1947 as part of a suite of Minerals, mainly clean pieces  
suitable for student study as requested from Sullivan Mine, about 100lbs. - marcasite, galena, sphalerite, arsenopyrite.

10963 - Galena from Standard Mine, Silverton, B.C. from the new ore shoot on No. 4 level -  
Collector Unknown - also Pb-Zn-Ag 11 - Ag - 6302.4ton, Pb - 15%/ton, Zn - 35%/ton - in Cabinet #3,  
lower of Min/Pet Museum.



10964 - Galena from Standard Mine, Silverton, B.C., from No. 4 level - also Pb-Zn-Ag 12 - Collector Unknown - Ag - 23oz./ton, Pb - 6.5%/ton, Zn - 25%/ton - in Cabinet #3, lower of the Min/Pet Museum.

10965 - Galena from Standard Mine, Silverton, B.C., from No. 4 level - also Pb-Zn-Ag 12 - Collector Unknown - Ag - 23oz./ton, Pb - 6.5%/ton, Zn - 25%/ton - in Cabinet #3, lower of the Min/Pet Museum.

10966 - Galena from Standard Mine, Silverton, B.C. - also Pb-Zn-Ag 14 - Collector Unknown - in Cabinet #3, lower of the Min/Pet Museum.

10967 - Galena from Standard Mine, Silverton, B.C., from stopes 100 ft. over 5<sup>th</sup> level. - also Pb-Zn-Ag 10 - Collector Unknown - Ag - 80oz./ton, Pb - 65%/ton - in Cabinet #3, lower of the Min/Pet Museum.

10968 - Silver, Lead, Zinc Ore (A-1) from Standard Mine, Silverton, B.C., from stope 60 ft., over No. 5 level. - also Pb-Zn-Ag 15 - Collector Unknown - in Cabinet NW5 - See economic catalogue for more detailed chemical information.

10969 - Galena from Standard Mine, Silverton, B.C., from stopes 100 ft. over No. 5 level. - also Pb-Zn-Ag 16 - Collector Unknown - Ag - 80oz./ton, Pb - 72%/ton - in Cabinet #3, lower of the Min/Pet Museum.

10970 - Galena from Standard Mine, Silverton, B.C., from stopes 100 ft. over No. 5 level. - also Pb-Zn-Ag 17 - Collector Unknown - Ag - 85oz./ton, Pb - 70%/ton - in Cabinet #3, lower of the Min/Pet Museum.

10971 - Galena from Sullivan Mine, Kimberley, B.C. - also M1679-1 - Collected by W.T. Woodhington - acquired in March, 1943 - in Cabinet #3, lower of the Min/Pet Museum.

10972 - Galena from Sullivan Mine, Kimberley, B.C. - also M1849 (-1-?) - Collected by J.W. Reynolds. - acquired in Jan., 1947, see ~~A~~ Catalogue for supplementary information - in Cabinet #3, lower of the Min/Pet Museum.

10973 - Galena from Sullivan Mine, Kimberley, B.C. - also M1849-1 - Collected by J.W. Reynolds. - acquired in Jan., 1947 as part of a suite of minerals, mainly clean pieces suitable for student study as requested from Sullivan Mine, Kimberley, B.C., about 100 lbs. - marcasite, galena, sphalerite, arsenopyrite.

- 10974 - Galena from Sullivan Mine, Kimberley, B.C. - also M1849-1 - Collected by J.W. Reynolds - acquired in Jan., 1947, ~~see M Catalogue for further notes~~ - In Cabinet #3, lower of the Min/Pet Museum.
- 10975 - Galena from #7 Mine, Boundary, B.C. - also Pb-Zn-Ag 28 - Collector Unknown - Au - 0.42%, Pb - 2%, Ag - 11.9%, Cu - 0.17% - In Cabinet #3, lower of the Min/Pet Museum.
- 10976 - Pyrrhotite from Sullivan Mine, Stope D. 14, Kimberley, B.C. - also Fe 63 - Collected by P.D. McArthur - acquired in 1929 - In Cabinet #3, lower of the Min/Pet Museum.
- 10977<sup>A+B</sup> - Palygorskite (Mountain Leather) from Monarch Mine, Field, B.C. - also M1596 - Collected by Evan Cameron - Collected in 1940, accessioned in July, 1941 - In Cabinet #4, upper of the Min/Pet Museum.
- 10978 - Palygorskite (Mountain Leather) from Monarch Mine, Field, B.C. - also M1596 - Collected by Evan Cameron - Collected in 1940, accessioned in 1941 - In Cabinet #4, upper of the Min/Pet Museum.
- 10979 - Palygorskite (Mountain Cork) from Powell River, B.C. - Collected by E. Boomer - In Cabinet #4, upper of the Min/Pet Museum.
- 10980 - Kyanite from Albrecht district, B.C. - also W165 - Collector Unknown. - Sent by Rutter to Worcester at Saskatoon, to Siebert at Winnipeg who gave it to the museum in July, 1938 - In Cabinet #4, upper of the Min/Pet Museum.
- 10981 -

- 10982 - Pyrrhotite from Golden Wonder group, Hazelton, B.C. - also Fe 58 - Collector Unknown - associated w/ Chalcopyrite. - originally acquired 5 specimens - In Cabinet #9, lower of the Min/Pet Museum.
- 10983 - Cinnabar from Finchi Lake deposits, Vanderhoof, B.C. - also M1937. - Collected by Wm. J. Deam of Henneo Exploration. - acquired in June, 1948 - See G.S.C. paper 42-11 - In Cabinet #4, upper of the Min/Pet Museum.

10984 - Galena from Dentonia Mine, 450ft. stope, Greenwood, B.C. - also Pb5 -  
Collected by A.W. Maybank - acquired in October, 1935 - in Cabinet #4, upper of the Min/Pet Museum.

10985 - Chalcopyrite from 2800ft. level of Victoria Mine, Britannia, B.C. - also W112 -  
Collected by J.F. Kobash - acquired in 1930 - in Cabinet #4, upper of the Min/Pet Museum.

10986 - Cuprite from boulder on Dicklong creek, about 8 miles from its mouth. - also  
M2027-1 - collected by W.D. Bennett - acquired in 1949 - in Cabinet #4, upper of the  
Min/Pet Museum.

10987 - Molybdenite from Molybdenum mining + reduction co., Alice Arm, B.C. -  
also Mo9a - collected by G. Dorton. - in Cabinet #4, lower of the Min/Pet Museum.

10988 - Sphalerite from Blue Bell Mine, Prindle, B.C. - M4273 - Collected by  
R.A. Burwash - acquired in 1960, collected in April of the same year as part of a larger  
suite from Blue Bell - in Cabinet #4, lower of the Min/Pet Museum.

10989 - Galena from Copper chief mine, Trout Lake, B.C. - also Cu97 - Collected  
by V.C.M.? - in Cabinet #4, lower of the Min/Pet Museum.

10990 - Galena from Monarch Mine, Field, B.C. - also Pb-Zn8 - Collector unknown. -  
one of 2 specimens originally acquired in Cabinet #4, lower of the Min/Pet Museum.

10991 - Galena from Monarch Mine, Field, B.C. - also Pb-Zn8 - Collector unknown. -  
3rd piece associated with # Pb-Zn8 - in Cabinet #4, lower of the Min/Pet Museum.

10992 - Galena from claim 2 mi. up Cascade Creek, Portland Canal dist., B.C. - also PbZnAg34 -  
Collected by W.F. Ferrier - 1 sample in Cabinet 4, lower, Min/Pet museum.

10993 - Galena from Monarch Mine, Field, B.C. - also Pb-Zn8 - 2nd of 2 samples  
originally acquired - in Cabinet #4, lower of the Min/Pet Museum.

10997 Chalcopyrite

10998 (Limonite) Goethite  
Stewart, BC.

10999 Psilomelane  
Cowichan lake, B.C.

## Overlap numbers

Aug 17/01

M11004-M11033 are overlap numbers as they have been used 2 times. One set is on yellow cards, described in the blue M-catalogue binder. The other set up numbers are written on white cards with distinctive handwriting in blue pen. To be investigated at a later date.

*Ly*

**M11000** (Other number[s]: W34) - calcite from Fort St. John. Collected by J.A. Allan. 1 sample(s) in Cabinet #5 mineralogy/petrology museum - ESB B-08, upper. Notes.

**M11001** (Other number[s]: Sb 6) - Stibnite from Bridge river, B.C. Collected by C. Drysdale. 1 sample(s) in Cabinet #5 mineralogy/petrology museum - ESB B-08, lower. Antimony ore (stibnite). Notes.

**M11002** (Other number[s]: Au 8) - arsenopyrite from Nickel Plate Mine, Hedley, B.C. Collected by unknown. 1 sample(s) in Cabinet #5 mineralogy/petrology museum - ESB B-08, lower. gold ore. Notes.

**M11003** (Other number[s]: Cu 68) - chalcopyrite from Le Roi Mine, Rossland, B.C. ✓ Collected by J.W. Bell. 1 sample(s) in Cabinet #5 lower. mineralogy/petrology museum - ESB B-08. copper ore. Notes.

**M11004** (Other number[s]: Mo11, #70) - molybdenite from Molly Mine, Lost Creek, B.C. (15 Miles from Salmo). Collected by G.M. Ponton. 1 sample(s) in Cabinet #5 mineralogy/petrology museum - ESB B-08, lower. Notes.

**M11005** (Other number[s]: Mo 12a) - molybdenite from Head Mud Creek, N.E. slope Rocher Deboule Mt., Black Prince Group, B.C. Collected by A.C. Annes. 1 sample(s) in overlap Cabinet #5 mineralogy/petrology museum - ESB B-08, lower. Notes.

**M11006** (Other number[s]: Fe 11) - Magnetite from East of Golden, B.C. Collected by J.E. Bartley. 1 sample(s) in Cabinet #5 mineralogy/petrology Museum - ESB B-08, lower. Notes.

**M11007** (Other number[s]: Fe58) - pyrrhotite from Golden Wonder Group, Hazelton, B.C. Collected by unknown. 1 sample(s) in Cabinet #5 mineralogy/petrology museum - ESB B-08, lower. Notes.

**M11008** (Other number[s]: Cr 6) - chromite from On west side of new road west of Bonaparte river, about 300 yds. north of bridge across river on old road between Ashcroft and Cache Creek, B.C. Collected by W.F. Ferrier. 1 sample(s) in Cabinet #5 mineralogy/petrology museum - ESB B-08, lower. Notes.

**M11009** (Other number[s]: Sb 4) - Stibnite from Omineca Mining Division, B.C. - 25 Miles S.E. of Hazelton, N.E. side of Suskwa river in Babine range. Collected by unknown. 1 sample(s) in Cabinet #5 mineralogy/petrology museum - ESB B-08, lower. Notes.

**M11010** (Other number[s]: CoNi 16) - pyrrhotite from B.C. Nickel Mines, Choate, B.C. Collected by Prof. J.T. Jones. 1 sample(s) in Cabinet #5 mineralogy/petrology museum - ESB B-08, upper. cobalt nickel ore. Notes.

**M11011** (Other number[s]: Gyp 10) - gypsum from West of Rock Lake, N.W. Brule Lake, Alberta. Collected by J. Soper. 2 - one sample (a) and one thin slice (b) off of the sample sample(s) in Cabinet #6 mineralogy/petrology museum - ESB B-08, upper. Notes.

**M11012** (Other number[s]: M425 and Gyp 11) - gypsum from little rapids, lower peace river, 150 miles below vermilion chutes. Collected by A.E. Cameron. 1 sample(s) in Cabinet #6 mineralogy/petrology museum - ESB B-08, upper. NOTES: there are four samples numbered M425 though one sample, which is visibly different from the other three, has been renumbered as M11012. the separation was possibly done by Morton and Smith. all four samples also have been numbered Gyp11. Notes.

There is an overlap of numbers near M11000 (ex, for M11005) but all samples appear to be accounted for and properly stored.

**M11013** (Other number[s]: none) - Halite from Fort Smith, Alberta. Collected by unknown. 1 sample(s) in Cabinet #6 mineralogy/petrology museum - ESB B-08, upper. Notes.

**M11014** (Other number[s]: none) - halite from Salt Springs, west of Fort Smith, Alberta. Collected by J.A. Allan. 1 sample(s) in Cabinet #6 mineralogy/petrology museum - ESB B-08, upper. Notes.

**M11015** (Other number[s]: W168) - halite from Waterways, Alberta - Industrial Minerals Ltd. plant. Collected by J.A. Allan. 1 sample(s) in Cabinet #6 mineralogy/petrology museum - ESB B-08, upper. salt stalactite. Notes.

**M11016** (Other number[s]: W77) - Talc from Mt. Whympere, Alta. Collected by J.A. Allan. 2: a & b sample(s) in Cabinet mineralogy/petrology museum - ESB B-08, #6, upper. Notes.

**M11017** (Other number[s]: Pb-Zn-Ag 33) - galena from Calgary Copper Co., Eldon, Alta. Collected by D.A. McLeod. 1 sample(s) in 6l. Notes.

**M11019** (Other number[s]: - limonite from Clear Hills, Alberta. Collected by unknown. 1 sample(s) in 6l. iron deposit. Notes. *overlap*

**M11020** (Other number[s]: none) - Limonite from Clear Hills, Alberta. Collected by unknown. 1 sample(s) in 6l. Notes.

**M11021** (Other number[s]: - limonite from Clear Hills, Alberta. Collected by unknown. 3 sample(s) in 6l. hydrous iron oxide deposits. Notes.

**M11022** (Other number[s]: Fe 43) - limonite from North of Dunvegan, Alberta. Collected by H.S. Day of Edmonton. 1 sample(s) in 6l. hydrous iron oxides - limonite. Notes.

**M11023** (Other number[s]: Fe 61) - hematite from Loc. 15, Lake Athabasca, Alta. Collected by J.A. Allan. 1 sample(s) in 6l. hematite (Iron ore). Notes.

**M11024** (Other number[s]: Fe 65) - magnetite (titaniferous) from Burmis district, Alta. Collected by R.L.R & J.A.A. 1 sample(s) in 6l. Notes.

**M11025** (Other number[s]: Fe 60) - hematite (iron ore) from Bessemer Claim, Lake Athabasca, Alta. Collected by J.A. Allan. 1 sample(s) in 6l. Notes. *overlap*

**M11027** (Other number[s]: M1861-1) - Scheelite from Vein #1, Dot & Eva Claims, Gilmour Lake Area, N.W.T. Collected by R.E. Folinsbee. 1 sample(s) in 7u. Notes.

**M11028** (Other number[s]: M3241-3) - malachite from North Vein, Burnt Creek, Amco Lake Area, N.W.T. Collected by J.M. Hillerud. 1 sample(s) in 7 upper. Notes. *also meteorite Parnallee*

*11029 - meteorite Shelburne*

*M11030 - copalite*

- M11032** (Other number[s]: M1985-2) - sphalerite from NLZ claims, C. Locality, Pine Point area, N.W.T. Collected by Dr. Neil Campbell. 1 sample(s) in 7u. Notes. *also meteorite Chateau Renard*
- M11032** (Other number[s]: - Smoky quartz from Collected by sample(s) in B-08 storage drawer #91. Notes.
- M11033** (Other number[s]: PbZn 11) - galena from Lead Zinc Claims, Great Slave Lake, N.W.T. Collected by A.E. Cameron. 1 sample(s) in 7u. Notes.
- M11034** (Other number[s]: Cu 112) - native Copper from Copermine river, N.W.T. Collected by J.A. Kelso. 1 sample(s) in 7l. Notes. *also meteorite Waconda*
- M11035** (Other number[s]: - graphite from Amadjuak bay, Baffin Land. Collected by R.J. Flaherty. 1 sample(s) in 7l. Notes. *also meteorite Poltusk*
- M11036** (Other number[s]: CoNi 15) - niccolite from 2 miles east of francois river and three miles from great slave lake - near goulet Bay, N.W.T. Collected by Paul Beaulieu. 1 sample(s) in 7l. discovery made early 1932 by Paul Beaulieu Ft. Resolution. forwarded June #, 1932, by J.A. McDougal. presented by Rev. Father Mansoz, resolution, N.W.T. Notes. *also meteorite Unknown*
- M11037** (Other number[s]: CoNi 14) - chalcopyrite from East End Lake Athabasca, Axis Lake, Saskatchewan. Collected by G.E. Moody. 1 sample(s) in 8u. Notes.
- M11038** (Other number[s]: Au 5) - Native Gold from Elbow Lake, Manitoba. Collected by Joe Gallo. 1 sample(s) in 8l. Notes.
- M11039** (Other number[s]: M1960-4) - Hematite, var. Turgite from Black Island, Lake Winnepeg, Manitoba. Collected by L.H. Cole. 1 sample(s) in 8u. Notes.
- M11040** (Other number[s]: CoNi 12) - chalcopyrite from Lac du Bonnet, Manitoba. Collected by G. Gilroy. 1 sample(s) in 8l. NOTES: cu 2.5%, Ni 1%, Au 0.028%, Pt 0.06%, Ag 1oz. Notes.
- M11041** (Other number[s]: Cu111) - chalcopyrite from Open pit, Flin Flon, Manitoba. Collected by R.L. Rutherford. 1 sample(s) in 8l. Notes.
- M11042** (Other number[s]: Cu101) - chalcopyrite from Flin Flon, Manitoba. Collected by J.A. Allan. 2 sample(s) in 8l. Notes.
- M11043** (Other number[s]: Cu100) - chalcopyrite from Sherritt Gordon, Manitoba. Collected by J.A. Allan. 1 sample(s) in 8l. Notes. *also meteorite Mincy*
- M11044** (Other number[s]: Cu57) - chalcopyrite from Flin Flon Copper Mine, Manitoba. Collected by unknown. 1 sample(s) in 8l. Notes.
- M11045** (Other number[s]: Cu58) - chalcopyrite from Mandy Mine, Manitoba. Collected by unknown. 1 sample(s) in 8l. copper ore - chalcopyrite. Notes. *also meteorite Fisher*
- M11048** (Other number[s]: W129) - muscovite from manitoba. Collected by J. McAvoy. 1 sample(s) in 8l. Notes.



**M11049** (Other number[s]: W117) - chalcopyrite (tarnished) from Thompson Lake, Manitoba. Collected by W.J. Dear. 1 sample(s) in 8 lower. from W.J. Dear to J.A.A. Notes.

**M11050** (Other number[s]: M1672-c) - Cassiterite from Rush Lake, Manitoba. Collected by Michael Feniak in 1940. 1 sample(s) in 8l. Notes.

*11051 - Trezzano meteorite*

10652 - SODALITE, Ice River BC

EAST WALL OF MUSA.



N → S.

10995 - ARSENOPYRITE, Hedley

10996 - CHALCOPYRITE, Ansox

10997 - COPPER ORE, Ansox

from M's (1999?) Recently

10999 - PSILOMELANE, Cowichan

11000 - CALCITE, FT. ST JOHN

11001 - STIBNITE, BRIDGE RIVER

11002 - ARSENIC, NICKEL PLATE

11003 - CHALCO, ROSSLAND

11004 - MOLY, MOLLY MINE

11005 - MOLY, RACHEL DEBOULE PT.

11006 - MANGANESE, GOLDEN

11007 - PYRRHOTITE, HAZELTON

11008 - CHALCITE, CHALK CO

11009 - STIBNITE, SUSILWA RIVER

11010 - PYRR., CHATEAU BC

11011 - GYPSUM, BRULE LAKE

11012 - GYPSUM, PEACE RIVER



fe 61 11023 - Hematite (see card file)

25 | " "

39 | " "



11050 - CASSITERITE, PUSH LAKE, MAN.

from R.A. Burwash

10994 - Pyrite from Kootenay Belle gold Mine, Sheep Creek Dist., Salmo, B.C. - M1368a - acquired in 1939 - in Cabinet #4, lower of the Min/Pet Museum. - Collected by Vere McDowall.

10995 - Arsenopyrite from 100ft. level, Nickel Plate Mine, Hedley, B.C. - also A09 - Collector unknown - in Cabinet #4, lower of the Min/Pet Museum.

10996 - Chalcopyrite from Hidden Creek Mine, Anyox, B.C. - also C047 - high grade copper ore, about 20% Cu. - Collected by Dr. James Douglas of Phelps-Dodge Min. Co. - in Cabinet #4, lower of the Min/Pet Museum.

10997 - Chalcopyrite from Hidden Creek Mine, Anyox, B.C. - also C045 - Collector unknown - from Granby Con. Mining, Smelting & Power Co. - in Cabinet #4, lower of the Min/Pet Museum.

10998 - Goethite (limonite) from Stewart, B.C. - also Fe40 - Collected by P.W. Racey. - in Cabinet #5, upper of the Min/Pet Museum.

10999 - Psilomelane from Cowichan Lake, B.C. - also M14 - Collected by G.C. Mackenzie? - Banded manganese ore - in Cabinet #5, upper of the Min/Pet Museum.

11000 - Calcite from Fort St. John - also W34 - Collected by J.A. Allan - in Cabinet #5, upper of the Min/Pet Museum.

11001 - Sibnite from Bridge river, B.C. - also C06 - Collected by C. Drysdale - acquired in 1915 - in cabinet #5, lower of the Min/Pet Museum.

11002 - Arsenopyrite from Nickel Plate Mine, Hedley, B.C. - also A08 - Collector unknown - in Cabinet #5, lower of the Min/Pet Museum.

11003 - Chalcopyrite from Le Roi Mine Rossland, B.C. - C060 - Collected by J.W. Bell - in Cabinet #5, lower of the Min/Pet Museum.

see note about repeat #'s

- 11004 - Molybdenite from Molly Mine, Jost Creek, B.C. (15 mi. from Salmo) - also Mo11 and #70 - Collected by G.M. Denton, Imperial Munitions Board - In Cabinet #5, lower of the Min/pet Museum.
- 11005 - Molybdenite from Head Mud Creek, N.E. slope Rocher Deboile Mt., Black Prince Group, B.C. - also Mo12a - Collected by A.C. Annes - In Cabinet #5, lower of the Min/pet Museum.
- 11006 - Magnetite from East of Golden, B.C. - also Fe11 - Collected by J.E. Boutley. - 2 samples originally acquired in 1925 - In Cabinet #5, lower of the Min/pet Museum.
- 11007 - Pyrrhotite from the Golden Wonder Group, Hazelton, B.C. - Fe58 - Collector unknown - one of five samples originally acquired - In Cabinet #5, lower of the Min/pet Museum.
- 11008 - Chromite from west side of new road west of Bonaparte river, about 300 yds. north of bridge across river on old road between Ashcroft and Cache Creek, B.C. - also Cr6 - Collected by W.F. Ferrier - acquired in 1918 - In Cabinet #5, lower of the Min/pet Museum.
- 11009 - Sibirite from Omineca Mining division, B.C. - 25 mi. S.E. of Hazelton, N.E. side of Skeena river in Babine range. - also Sb4 - Collector unknown. - In Cabinet #5, lower of the Min/pet Museum.
- 11010 - Pyrrhotite from B.C. Nickel Mines, Chocoma, B.C. - also CoNi16 - Collected by Prof. J.T. Jones. - acquired in 1934 - In Cabinet #5, upper of the Min/pet Museum.
- 11011 - <sup>AtB</sup> Gypsum from west of Rock Lake, N.W. Brule Lake, Alberta. - also Gyp10 - Collected by J. SOPER - acquired on November 16, 1925 - In Cabinet #6, upper of the Min/pet Museum.
- 11012 - Gypsum from Little Rapids, lower Peace river, 150 miles below Vermilion cludes. - also M425 and Gyp11 - Collected by A.E. Cameron - one of three specimens originally acquired in 1916 - In Cabinet #6, upper of the Min/pet Museum.
- 11013 - Halite from Jost Smith, Alberta - Collector unknown - In Cabinet #6, upper of the Min/pet Museum.

see note about repeat #'s starting 11004

- 11014 - Halite from Salt Springs, west of Jost Smith, Alberta - Collected by J.A. Allan -  
in Cabinet #6, upper of the Mon/Pet Museum.
- 11015 - Halite from Industrial Minerals Ind. Plant, Waterways, Alberta - also W168 -  
Collected by J.A. Allan - Salt Stalactite acquired in 1939 - in Cabinet #6, upper of the  
Mon/Pet Museum.
- 11016 - Talc<sup>A+B</sup> from Mt. Whympre, Alberta - also W77 - Collected by J.A. Allan -  
acquired in 1920 - in Cabinet #6, upper of the Mon/Pet Museum.
- 11017 - Galena from Calgary Copper Co., Eldon, Alberta. - also Pb-Zn-Ag 33 - Collected by  
D.A. McLeod - in Cabinet #6, lower of the Mon/Pet Museum.
- 11018 - ~~limonite~~
- 11019 - limonite from Clear Hills, Alberta - Collector Unknown - acquired from Premier Steel  
Mills, Ind. - in Cabinet #6, lower of the Mon/Pet Museum.
- 11020 - limonite from Clear Hills, Alberta - Collector Unknown - in Cabinet #6, lower of  
the Mon/Pet Museum.
- 11021 - limonite from Clear Hills, Alberta - Collector Unknown - in Cabinet #6, lower  
of the Mon/Pet Museum.
- 11022 - limonite from north of Donvegan, Alberta - also Fe 43 - Collected by H.S. Day of  
Edmonton - in Cabinet #6, lower of the Mon/Pet Museum.
- 11023 - Hemahite from Loc. 15, Lake Athabasca, Alberta - also Fe 61 - Collected by J.A. Allan -  
acquired in 1922 - in Cabinet #6, lower of the Mon/Pet Museum.

See note about repeat #'s starting 11004

11024 - Magnetite (tidamiferous) from Burmis district, Alberta. - also Fe 65 - Collected by J.A.A. and R.L.R. - acquired in 1931 - in Cabinet #6, lower of the Min/Pet Museum.

11025 - Hematite (iron ore) from Bessemer claim, Lake Athabasca, Alberta. - also Fe 60 - Collected by J.A. Allan. - acquired in 1922 - in Cabinet #6, lower of the Min/Pet Museum.

11026

11027 - Scheelite from Vein #1, Dot & Eva claims, Gilman Lake Area, N.W.T. - also M1861-7 - Collected by R.E. Folensbee - from land staked by Alex Mitchell, acquired in 1941 - in Cabinet #7, upper of the Min/Pet Museum.

11028 - Malachite from North Vein, Burnt Creek, Amco Lake area, N.W.T. - also M3241-3 - Collected by J.M. Hillerud - in Cabinet #7, upper of the Min/Pet Museum.

11029 Meteorite - Shelburne

11030 Copialite from North Sask. River, Upstream from bridge Hwy. 11, Rocky Mountain House, AB, Canada  
A fossil resin containing succinic acid, much poorer in O<sub>2</sub> than most amber (other than Almahite)  
Presented by L. Giusti in 1981

11031 Magnetite from L.52, R.5, Biglow, Jabelle Co., Quebec, Canada - also 1540 - Collector Unknown  
- in FC5 of the min/pet Museum, ESB B-08

11032 - Sphalerite from NL2 Claims, C. locality, Pine Point area, N.W.T. - also M1985-2  
- Collected by Dr. Neil Campbell - acquired in 1949 as part of a suite of ore, etc. from Pine Point. - in Cabinet #7, upper of the Min/Pet Museum.

11033 - Galena from Lead Zinc Claims, Great Slave Lake, N.W.T. - also PbZn 11 - Collected by A.E. Cameron - in Cabinet #7, upper of the Min/Pet Museum.

See note about repeat #'s starting 11004

11034 - Native Copper from Copernicus river, N.W.T. - also Co 112 - Collected by J.A. Kelso - presented by John Cathoon in May, 1933 - in Cabinet #7, upper of the Min/Pet Museum.

11035 - Graphite from amadjuak bay, Baffin land - Collected by R.J. Flaherty. - in Cabinet #7, lower of the Min/Pet Museum.

11036 - Niecolite from near Goulet Bay, N.W.T. - 2 miles east of Francois river and three miles from great slave lake - <sup>also</sup> CoNi: 15 - discovery made early 1932 by Paul Beaulieu (of) St. Resolution, forwarded June, 1932 by J.A. McDougall, presented by Rev. Father Manzog, Resolution, N.W.T. - in Cabinet #7, lower of the Min/Pet Museum.

11037 - Chalcopyrite from East end of Lake Athabasca, Axis Lake, Saskatchewan - also CoNi: 14 - Collected by G.E. Moody - acquired in 1925 - in Cabinet #8, upper of the Min/Pet Museum.

11038 - Native Gold from Elbow Lake, Manitoba - also Au 5 - Collected by Joe Gallo - in Cabinet #8, lower of the Min/Pet Museum.

11039 - Hematite, var. Turgite from Black Island, Lake Winnipeg, Manitoba. - also M1960-4 - Collected by J.H. Cole - acquired in Oct. 1948 as part of a suite of specimens from about 30 localities, comprising ~65 lbs. - in Cabinet #8, upper of the Min/Pet Museum.

11040 - Chalcopyrite from Lac du Bonnet, Manitoba - also CoNi: 12 - Collected by G. Gilroy - See economic Catalogue for more detailed Chemical information - in Cabinet #8, lower of the Min/Pet Museum.

11041 - Chalcopyrite from Open pit, Glen Glen, Manitoba - also Co 111 - Collected by R.L. Rutherford - acquired in 1933 - in Cabinet #8, lower of the Min/Pet Museum.

11042 - Chalcopyrite from Glen Glen, Manitoba - also Co 101 - Collected by J.A. Allan - one of two specimens acquired in 1930 - in Cabinet #8, lower of the Min/Pet Museum.

see repeat numbers note, starting 11004

11043 - Chalcopyrite from Hewitt Golden, Manitoba - also Cu 100 - Collected by J. A. Allam - One of two specimens acquired in 1930 - in Cabinet #8, lower of the Min/Pet Museum.

11044 - Chalcopyrite from Iron Iron Copper Mine, Manitoba - also Cu 57 - Collector Unknown - in Cabinet #8, lower of the Min/Pet Museum.

11045 - Chalcopyrite from Mandy Mine, Manitoba - also Cu 58 - Collector Unknown. - in Cabinet #8, lower of the Min/Pet Museum.

11046

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11048 - Muscovite from Manitoba - also W129 - Collected by J. McAvoy - from Min per N.L. Pitcher from Kelso, brought in by J. McAvoy (?) => looks like material from Silver Leaf Mine, see mines branch report "Mica" No. 701 pg. 92, analyzes No. 8 - in Cabinet #8, lower of the Min/Pet Museum.

11049 - Chalcopyrite (furnished) from Thompson Lake, Manitoba - also W117 - Collected by W. J. Dear - from W. J. Dear to J. A. A., acquired in 1930 - in Cabinet #8, lower of the Min/Pet Museum.

11050 - Cassiterite from Rush Lake, Manitoba - also M1672-C - Collected by Michael Jeniak in 1940 - from suite of tin ores and associated rocks acquired in November, 1942, large specimen of "quartz-eye aplite" containing both fine and coarse grained Cassiterite. - in Cabinet #8, lower of the Min/Pet Museum.

11051 - Meteorite - Trenzano number has been re-used at least once



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**Note: Numbers 11,500 to 11,999 in the M-collection catalogue have been reserved for current and future holdings in the Meteorite collection of meteorites, impactites and "meteorwrongs".**

All items in the meteorite collection up to December 1, 1999, including those up to ~M-11,600, have been entered into the Museums and Collections Services computer database, Multi MYMSI.

All future accessions will automatically be entered into the Multi MYMSI database and full information will be found there.

Abstracted information printed from the Mult MYMSI database will be included in the M-catalogue (hardcopy) if at all possible simply to provide a complete listing of the M-collection.

*11501 - 11605 used Nov 12/02*

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## M catalogue accessions – Dec 1999

Numbers 12000 to 12030 pertain to a study of the Peace River Oil Sands, collected by Brian A. Rottenfusser for the Alberta Research Council, 1978-1979. Identified by C.R. Stelck.

Specimens are identified by the original sample number of the form (BAR xx-x-xx), the well location and the sample depth.

- M-12,000 BAR 80-3-9  
10-32-82-18W5 2119 ft  
Lioplacodes bituminis Russell  
Melania multorbis Russell
- M-12,001 BAR 79-9-21  
9-1-85-17W5 2019 ft  
Valvata sp  
Sphaerium sp indet.
- M-12,002 BAR 79-9-26  
9-1-85-17W5 2036 ft  
Rubeyella ? carinata Yen
- M-12,003 BAR 79-9-22  
9-1-85-17W5 2022 ft  
Melania multorbis Russell  
Sphaerium ?
- M-12,004 BAR 79-9-25  
9-1-85-17W5 2033 ft  
Unio ?  
Corbicula ??
- M-12,005 BAR 79-6-66  
7-27-82-17W5 2294 ft  
Elliptio cf douglassi  
Rubyella sp  
Astarte natosini  
Melania multorbis
- M-12,006 BAR 79-6-68  
7-27-82-17W5 2352 ft  
Valvata  
Sphaerium sp  
Pelecypod indet

- M-12,007 BAR 79-6-65  
7-27-82-17W5 2291 ft  
*Viviparus murraiensis* Russell  
*Melania multorbis*  
*Lioplacodes bituminis*  
*Eupera onestae*
- M-12,008 BAR 78-44-17  
3-9-85-18W5 1929 ft  
*Sphaerium* sp  
*Corbula palliseri* McLean
- M-12,009 BAR 78-43-4  
1-5-84-18W5 2068 ft  
*Melania multorbis*  
*Valvata* ?  
*Corbula palliseri*  
*Murraia* ?  
*Anodonta* ??
- M-12,010 BAR 78-43-7  
1-5-84-18W5 2096 ft  
*Melania multorbis*  
*Campeloma harlowtownensis*
- M-12,011 BAR 79-8-1  
ARCO Cadotte 7-30-83-15W5 2057.5 to 2058 ft  
20 ft above base of Wilrich  
*Bendanticeras* (*Grantziceras*) sp indet
- M-12,012 BAR 80-3-8  
10-32-82-18W5 (no depth listed on sample sheet)  
*Gyraulus* sp cf *veturnus*  
*Reesidella* ?  
*Elliptio* sp  
*Melania* sp1  
*Melania* sp 2
- M-12,013 BAR 78-24-84  
13-34-84-16W5 between 2049 & 2076 ft  
*Valvata* ?  
*Sphaerium* sp  
*Melania* sp1  
*Melania* sp2  
*Gyraulus*  
*Eupera onestae*  
*Unio douglassi*  
*Corbula palliseri*