

WARD'S GEOLOGY NEWSLETTER

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No. 21

April 1957

GEOLOGY SPRING BARGAIN LIST

SPRINGTIME BARGAINS

BARITE. South Dakota. Good examples of golden barite on rock, some with yellow calcite. Average 4 x 5", \$4.00

DREIKANTERS. Wyoming, New York. Average 1 x 2" to 3 x 4", assortment - 5 for \$1.00

CONTORTED GNEISS. Maine. Sawn slabs - excellent illustrations of folding. 7 x 10-1/2", \$7.50

MICROCLINE, var. AMAZONSTONE. Colo. A large specimen with green amazonstone crystals, smoky quartz on graphic granite. This is a second quality specimen, though a good buy. 8 x 10-1/2", \$4.00

MUD CRACKS IN RED SHALY SANDSTONE. 3 x 8", \$2.00; 4 x 8", \$2.50; 6 x 8", \$3.50; 5 x 15", \$4.00; 8 x 15 to 10 x 12", \$5.00

COLORFUL MINERAL CHIPS FOR AQUARIA. Special - 10 pounds for \$1.00

QUARTZ GEODES. Sections of large geodes, 3 x 4", \$1.50; 5 x 6", \$3.00 to \$7.50

GROSSULARITE GARNET. Mexico. Green dodecahedral crystals and crystal fragments, average 1/2 to 1/2" \$3.00 lb., 10 pounds for \$25.00

BARGAINS IN BULK MINERALS AND ROCKS

AMOSITE. Transvaal. Loose fibers - 5 lbs for \$2.00

APATITE. Ontario. Crystal fragments - \$3.50 per lb

AZURITE. New Mexico - very rocky - 5 pounds for \$2.50

BERZELIANITE. Sweden. Black masses in calcite. Regularly \$3.00 per lb - Special 10 pounds for \$5.00

BORNITE. Butte, Montana. Partly crushed sulfide ore, 5 pounds for \$2.50

CARNOTITE. Colo., etc. Very low grade - 10 pounds for \$2.00

CHERT BRECCIA. Missouri. \$.50 per lb. 10 lbs for \$4.00

COLUMBITE. Conn. Rocky in feldspar, somewhat stained \$1.00 lb

COLUMBITE. N.C., S.D. Partly crushed, nearly pure \$1.00 lb

COPPER ORES. Various localities, mixed species, 10 lbs for \$3.00

CORUNDUM. Cowee Creek, North Carolina. Small, waterworn crystal fragments, some garnet, \$1.20 lb., 10 lbs for \$7.50

DESCLOIZITE. S.W. Africa. Partly crushed. 10 lbs for \$5.00

DOLOMITE. N.Y. Large cleavages with chlorite, etc. \$1.00 lb., 10 pounds for \$7.50

FRANKLIN, NEW JERSEY, MINERALS. Mostly fine. 10 pounds for \$3.00

GARNET. New York. Partly crushed 10 pounds for \$3.00

GARNET, var. ALMANDITE. Ontario. Large crystals and crystal fragments, some stain,



DREIKANTERS: Pebbles faceted by wind blown sand

\$1.00 per lb., 10 pounds for \$7.50; crystals in biotite schist 10 lbs for \$5.00

MAGNETITE. Mineville, N.Y. Partly crushed 10 pounds for \$3.00

OLIGOCLASE. Norway. Small cleavages, averaging 3/4 to 1", 10 lbs for \$5.00

PITCHSTONE. Various localities. Average 1 to 2" 10 pounds for \$3.00

PLUMBOJAROSITE and CINNABAR. Mexico. Rather earthy masses \$2.00 per lb

BANDED SANDSTONE. South Dakota. Red to buff, 10 pounds for \$2.50

SMALTITE. Ontario. Rocky, small pieces, 10 pounds for \$5.00

SOAPSTONE. Virginia. Small pieces that average 1 x 1" to 1 x 2", \$5.00 per 100

URANINITE, etc. New Hampshire. Mixed uranium minerals with pegmatite. 5 pounds for \$2.00

VERMICULITE. Ontario. 10 pounds for \$3.00

WITHERITE. England. Regular choice crystalline. 10 pounds for \$3.50

MOUNT ROYAL ROCKS

Our supply of hand specimens of the rocks from the classic Canadian petrographic province, the Monteregian Hills, is diminishing. If you have not already taken advantage of our previous offers, we recommend that you place your order at once.

Hand specimens (your selection) available at \$.85 each. Any 10 specimens (your selection) \$7.50 lot. Thin sections are available at \$2.00 each.

Numbers refer to locations in railway tunnel. Specimens were collected during building of tunnel.

181 - 00 Camptonite
184-82 Mica Tinguaita
186-04 Tinguaita porphyry
195 - 50/60 Olivine gabbro diorite

204-10 Gabbro wehrlite
204 - 85 Diabase gabbro
215 - 00 Diorite
220-221/80 Breccia with gypsum, etc.
254 - 00 Camptonite
262-43 - Porphyritic tinguaita
267 -01 Porphyritic bostonite
267-15 Camptonite (resorbed)
279-79 Camptonite
298 - 03 Essexite (Wehrlite)

BARGAINS IN FOSSILS

The following are not display type specimens, but are good, standard teaching stock. Some have been out of stock for many months, others have been received in quantity shipments.

1. Sponges

Girtycoelia typica (Penn.), 1" and over. Per dozen, \$1.00
Coelocladia spinosa (Penn.), 1" and over. Per dozen, \$1.00
Porocystis globularis (Cret.) 3 for \$1.00

2. Corals and Coelenterates

Favosites placenta (Dev.), complete colonies, 2" to 5", priced according to size: 50¢ and \$1.00
Favosites turbinatus (Dev.), complete colonies, 2" to 3": 50¢
Streptelasma rusticum (Ordo.), about 3". Two for 50¢
Tubipora musica (Recent), about 3" x 3": 50¢

3. Pelecypods

Gryphaea navia (Cret.), 2" and over. Two for 75¢

4. Gastropods

Goniobasis simpsoni (agatized). Small slabs, about 2" x 2", showing the long spiral coil in good relief. Each, 50¢

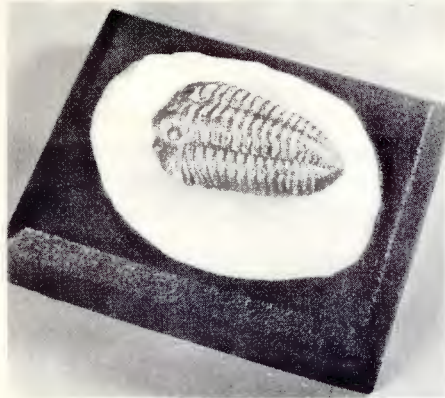
5. Brachiopods

Composita subtilita (Penn.) Dozen, 50¢
Platystrophia, various spp. (Ordo.). One dozen, 50¢
Holteadabina sulcata (Ordo.). One dozen, 50¢
Resserella multisecta (Ordo.). Two dozen, 50¢
Mucrospirifer mucronatus (Dev.). Three for 50¢
Stropheodonta demissa (Dev.). Three for 50¢
Tropidoleptus carinatus (Dev.). Three for 50¢
Ornithella sp. (English Jur.). Three for 50¢

6. Echinoids

Echinocorys vulgaris (English Cret.):
2" to 3", calcified, each..... \$3.00
2" to 3", silicified, each..... \$2.00
Haimea alta (Eoc.). Each, 50¢

SPECIAL ON TRILOBITE PAPERWEIGHTS



This attractively colored paperweight is an interesting desktop ornament, in addition to securing your papers from stray breezes. The center of the paperweight is a cast from an actual specimen of the famous trilobite *Calymene celebica*, a Silurian creature whose abundance and good preservation have given it a measure of well-deserved fame. This cast, made of durable "Marblite," is far more colorful than its fossil prototype, for the trilobite is painted a shining gold on a buff background. The base outside the buff area is finished in green. The cast measures about 3" x 3-3/4".

C 4725 Trilobite paperweight, green base. Regularly \$1.25 each - Special price 2 for \$2.00 \$10.00 per dozen

COLLECTION BARGAIN

MC 620 Pre-Cambrian Rocks of the Michigan Iron Ranges. A set of 26 rocks illustrating the stratigraphy of the Marquette iron district. Specimens average 3 x 4", identified, \$27.50

CULLINAN DIAMOND MODEL

A replica of the largest of the gems cut from the famous Cullinan diamond, in clear rock crystal \$24.00 (available for immediate delivery). Replicas of other noted diamonds can be imported from Europe upon request. Please send for price list.

SET OF THIN SECTIONS

One set of thin sections of rock forming minerals - 30 slides made in Germany - in case - \$60.00

BARGAINS IN GEOLOGICAL EQUIPMENT

The items listed below are now in stock in excess of normal inventory needs. To reduce our inventory, we are offering them at greatly reduced prices until June 30, 1957. Here is a great opportunity for you if you need any of this equipment. Savings of this sort can not be counted upon to occur frequently. Send in your order now and take advantage of this great bargain opportunity. (Some items may be subject to prior sale).

C 2007 Prospector's Pick. This pick resembles the Plumb pick-hammer, except that it is heavier and the handle is a little shorter. Steel head, wood handle. An excellent geological field item. Regular price, \$5.50. Special sale price, each..... \$3.50

C 5517 Gates Black Light Raymaster LW 8. This long-wave ultra-violet lamp resembles a desk lamp, being equipped with a base containing the on-off switch, curved neck, and reflector-shade. The lamp comes equipped with a standard white fluorescent tube and a long-wave tube. Ready to use when plugged into any 110-120 volt 60 cycle AC outlet. Swivel at the reflector permits the lamp to be adjusted to varying positions in the vertical plane. Base measures 6-1/4" x 4-1/4", the reflector length is 12-1/2", and the overall height is 12". An amazing opportunity to obtain a first-rate long-wave (3600 AU) ultra-violet lamp. Regular price, \$30.00. Special sale price, each \$12.50

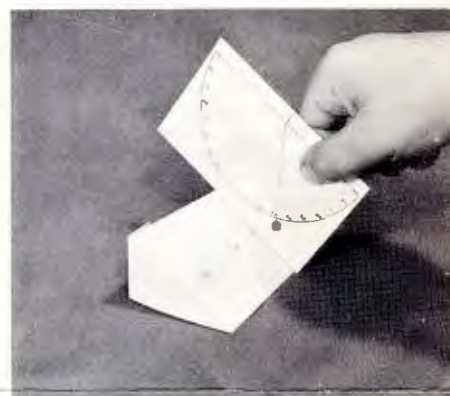
American Paulin Survey Altimeters. Lightweight, accurate, and dependable, these altimeters are essential for mapping operations. Construction is highest quality precision work.

C 2040.1 "Micro" Altimeter Model M-1. Range 6000 feet (-1000' to +5000') in one-foot intervals. Diameter 7", weight with case 4 lbs. Supplied complete with case, magnifier, pocket thermometer, and operational procedures. Regular price, \$300.00. Special sale price..... \$225.00

C 2040.6 "Terra" Altimeter Model T-10. Range 15,000 feet (1500' to +14,500') in ten-foot intervals. Diameter 5", weight with case 2 lbs. 9 oz. Supplied with case, etc. Regular price, \$250.00. Special sale price..... \$187.50

C 479 Utility Drawer. This is a general purpose storage drawer, well-suited for the storage of rock and mineral specimens, and can be used with Ward's Unit-Basis Storage Trays C 3300 (See Ward's Newsletter No. 18, p. 6), holding 96 of the C 3300.0 trays or 48 of the C 3300.1 trays. Wood construction, walnut finish outside, white enamel within, with brass knob and two brass card holders. A dozen of these drawers may be stored in Ward's Cornell Cabinet, C 473b (see Newsletter No. 18, p. 2). Outside dimensions of drawer, 16-3/4" long, 19" wide, 3" deep; inside dimensions, 16" long, 18-1/4" wide, 2-11/16" deep. Regular price, \$7.75 each; special sale price, each. \$3.95

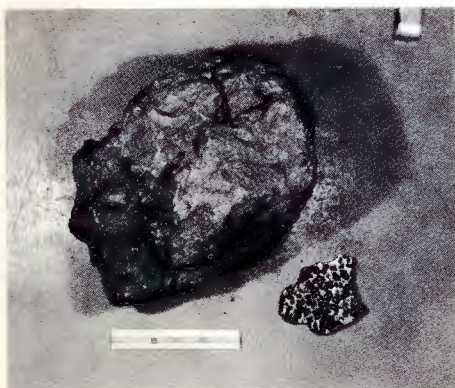
DIP AND STRIKE MODELS



C 4704 Ward-Hawkins Dip and Strike Models. To stimulate interest in the use of these unique and valuable kits, we are offering them at an exceptionally low price for the duration of this sale (to June 30). Each set contains printed patterns for 20 different dip and strike combinations, a clinometer, and instructions. The patterns are cut out and folded. The upper surface, which bears a directional arrow, simulates a rock stratum surface, and the student receives practical training in the measurement of strike and dip. Regular price, \$1.50 per set, \$12.50 per dozen. Special sale price, each..... 50¢ Dozen..... \$50.00

- End of special Bargain List section -

ADMIRE PALLASITE



The first specimen of this unusual brecciated pallasite (siderolite) was ploughed up in a field near Admire, Lyon County, Kansas in 1881. Since then several other masses have been discovered. The following slices show the structure very well.

S 13.27	337.2 grams	\$60.70
S 13.28	342.5 grams	51.64
S 13.30	271.5 grams	48.86
S 13.31	320.0 grams	57.60

Recently a very large mass of this siderolite was discovered. It weighs 68 pounds and measures (see illustration). If interested, please write for price.

OCTOBER 1957 IS B.S.A. GEOLOGY MONTH

Under the leadership of Chalmer Cooper and Frank Gouin, heads of the Boy Scout Committees of the American Geological Institute and the American Association of Petroleum Geologists, October 1957 is being headlined as GEOLOGY MONTH for boy scouts. Watch the AGI Newsletter and other magazines for future plans of professional geologists and hobbyists to stimulate and develop a firm interest among boy scouts in geology as a vocation and an avocation. Possibly you too can aid this splendid project. The great geologists, mineralogists and paleontologists of tomorrow may well be found in the scouts of today.