

PICTURE CAPTIONS

(First number refers to roll, second number refers to photograph in the roll)

- 1-1, 1-2 Gold Cyanide mill of the Benguet Consolidated Mining Company at Balatoc mine near Baguio, Mountain Province, Philippine Islands. *CIA-211557 + 211558*
- 1-3 Close-up view of section of Benguet Mill. *CIA 211588*
- 1-4, 1-5 C.L. Elliot, former metallurgist, Benguet Consolidated. Recently elevated to Assistant Manager.
- 2-1 Some of the buildings at main office of Benguet Consolidated. Note on the right-hand side the houses on the steep hillside. Building in immediate foreground is part of the bodega. Power house is behind it with the water cooling tower at right center. Dormitories for Filipino mine workers are buildings in the background.
- 2-2 K.W. Iten, chief geologist, Benguet Consolidated.
- 2-3 Baguio gold mining company's cyanide mill near Baguio, Mountain Province. *CIA 211587*
- 2-4 Mr. Davidson, assistant general manager, in charge of mining for Benguet Consolidated. He formerly was in charge of Consolidated Chrome's operations in Zambales for Benguet.
- 3-1 Bob Mahan, general manager, Baguio Gold Mining Company, Baguio, Mountain Province, Philippine Islands.
- 3-2 Bob Mahan in the washing plant at Baguio Gold. Note how muddy and gummy and sticky the ore is on the conveyor belt at right. *CIA 211573*
- 3-3 Homemade transfer device. That is, a long system of rakes which move sands horizontally from the washing plant into the ball mill scoop box. *CIA 211572*
- 3-4 One of the compressors at Baguio Gold.
- 3-5 One of the Diesel engines at Baguio Gold.
- 3-6 View inside the mill showing the ball mill in the foreground and a Dorr classifier in the background.
- 4-1 Claude Fertig, general superintendent, Itogen Mining Company, Baguio, Mountain Province, Philippine Islands.
- 4-2 Claude Fertig on left, Baguio.
- 4-3 Claude Fertig on left.
- 4-4 In the Mountain Provinces between Baguio and Lepanto. Terraced fields are cabbages, not rice. *CIA 211571*

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- 4-5 The main surface buildings at Lepanto Gold Mining Company. Picture was taken from the power house. A large fault, dipping about 75 degrees to the left, goes up the center of the valley. Ore is found on both sides of the fault. In the left center is a long cliff. That is the ore horizon, and silicified rhyolite, that is, the hanging wall orebody or footwall orebody is displaced upward and is hidden underneath the brush-covered slope at right. Centuries old Spanish and Chinese workings are barely discernible in the cliffs in the center. Note the timber piles and several adits in the lower section of the picture. CIA 211569
- 4-6 Lepanto 1,200-ton flotation mill. This was also taken from the power plant. Water tanks to the left. On the foundations of the pre-war mill, subsequently destroyed by bombing and fighting. CIA 211568
- 4-7 Road construction between Baguio and Lepanto. All Lepanto concentrates (some 300 or more tons per day) are trucked over 100 miles to the sea coast. CIA 211570
- 4-8 Loading a truck at Lepanto mill. Note the inclined grizzlies above the truck bed. Slushers in the mill building pull the concentrate from the concentrate bin over these grizzlies where it drops into the truck.
- 5-1 Charles B. "Chuck" Foster, general superintendent, Lepanto Consolidated Mining Company, Mountain Province, Philippine Islands.
- 5-2 Foster (at left) and Brown, mill superintendent checking the sink product on the experimental HMS plant at Lepanto.
- 5-3 Foster, standing beside the two Oliver Filters at Lepanto.
- 5-4 Locally-designed and built cyclones in the Lepanto mill.
- 5-6 Locally-built air-actuated car dumper on the dump of the drain tunnel.
- 5-7 Froth on the copper flotation cells at Lepanto.
- 5-8 Marcy rod mill at Lepanto. This, incidentally, is one of two that were shipped from the Mouatt Chrome plant in Montana right after the end of World War II to the Philippines.
- 5-9 Crushing plant.
- 6-1 George Scholey, left, and Enrique Biel, right, manager of mines for Elizalde & Co in front of Elizalde's private Beochcraft airplane. We were just about to take off for Masara when this picture was taken.
- 6-2 Biel, left, and Scholay, right, at the airplane.

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- 6-3 Scholey and Biel on the mine track at Masara. *PENTUKEN*
- 6-4 The new Masara mill under construction. Note the dense jungle and the banana leaves in the foreground. Also the many vines hanging and dropping from the trees. *~~HIS~~ HIJO*
- 6-5 This picture is trying to indicate the thickness of the jungle alongside the track.
- 6-6 Portal of the lower working adit at Masara.
- 7-1 New bridge under construction at Masara between the mine and the mill. Natives at the top of the picture give an indication of the height of this new bridge.
- 7-2 GMC Diesel electric set at Masara. It is one of two and was purchased from the large Schoenmaker Company at Sausalito, California.
- 7-3 View of the Masara mill construction.
- 7-4 Another view of the mill. *CIA-211563*
- 7-5 Masara mill taken through the jungle. *CIA-211562*
- 7-6 Framing details at mill. *CIA-211564*
- 7-7 Caterpillar Diesel electric set supplying current to the mill camp at Masara.
- 7-8 Masara mill construction. *CIA 211565*
- 8-1 Completely de-clothed native operating Caterpillar tractor at Atlas Consolidated. Picture was taken in a rain storm. This machine is stripping waste on the uppermost bench.
- 8-2 Changing the blade angle on the second from top bench at Atlas during waste stripping. Euclid trucks in the background.
- 8-3 Dumping waste at Atlas. Note the two dump men in contrast to America where one is often too many.
- 8-4 Stripping waste at Atlas with 2-yard Lorraine shovel and Euclid truck.
- 8-5 Atlas mill, left, and crushing plant, right. Also shows benches in the foreground.

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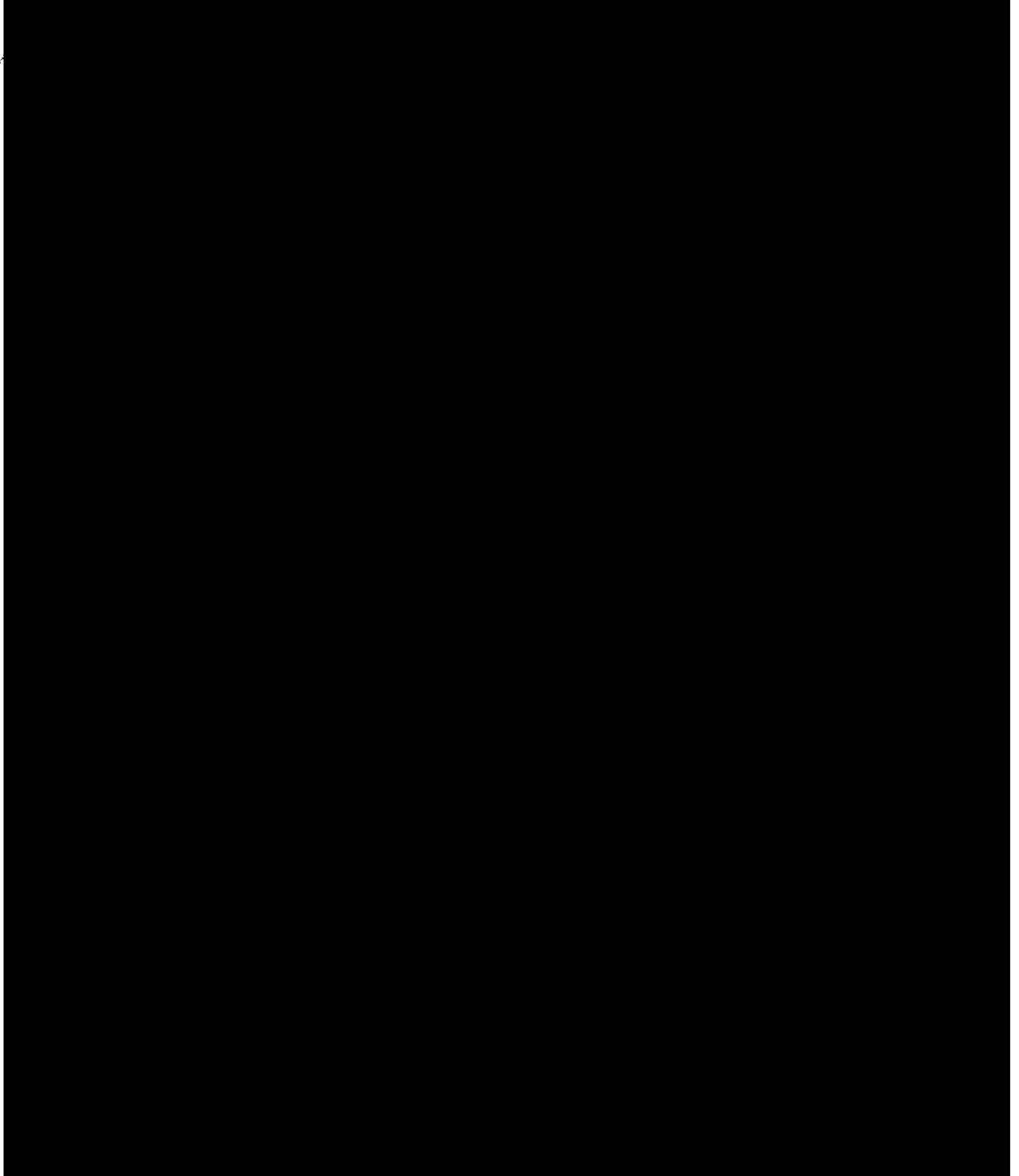
- 8-6 Activity at the Atlas pit with the bench in the foreground; waste stripping with two Euclid trucks and a Thew shovel. Shovel in center is being repaired. At top is a Thew shovel ready to load ore into the Mitsubishi Fuso Diesel truck approaching the shovel. That is a 10-ton truck.
- 8-7 Another view of the mill and crushing plant.
- 8-8 Caterpillar tractor and LeTorneau carry-all stripping waste on uppermost bench. Note the palm leaf used as umbrella for shade.
- 9-1 Riprapping creek to prevent washout of Masara mill. CIA 211566
- 9-2 Masara mill construction. CIA 211567
- 9-3 Akiura Maru flying the Mitsubishi flag on the bow, loads first concentrates from Atlas.
- 9-4 Clarence W. Wright, chief metallurgist, Soriano and Atlas, at the loading dock.
- 9-5 A view of the Atlas crushing plant taken from the mill.
- 9-6 View of the loading dock for Atlas concentrate.
Concentrate storage buildings under construction at right of pier. This pier will be equipped with reversible conveyor belt in the near future for loading copper ships and discharging phosphate rock from ships for the fertilizer plant to eventually be built.
- 9-7 Loading concentrate into truck for transportation to ship along wharf. Note storage construction in background. Dumping copper concentrate into ship's hold.
- 10-1 View of the mill at right, with mine at left. This was taken from a new road being built to the main waste disposal area downstream from the mine. Note the poerline at right, going over the top of the mountain from the power plant.
- 8-2 Ore being delivered to primary gyratory crusher by Hewitt-Robins roll grizzly.
- 10-3 Picture of an Eimco 105 Loader, cleaning up a bench at Atlas. Truck is International.
- 10-4 Loading ore into Fuso Diesel truck. This shovel is working in the vicinity of the old Japanese underground workings. This is the center core or heart of the orebody with much of the ore assaying 2.0 percent copper.
- 10-5 Filipinos driving a Koyote hole. It is barely large enough to work in and because of cheap labor a large part of Atlas ore will be broken by koyote blasting.

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- 10-6 Ingersoll Rand Gyroflo compressor, mounted on a surplus Army tank chassis. This unit is self-powered and supplies air for wagon drills and for drilling in the koyote holes.
- 10-7 View of the primary crusher at Atlas. New washing trommel being installed in background.
- 10-8 Secondary crusher at left with vibrating screens in center at Atlas mill.
- 11-1 The wharf at Philippine Iron Mines, loading a ship for Japan. *CIA-211559*
- 11-2 Weightometer at Atlas Consolidated.
- 11-3 Headframe at San Mauricio Gold Mining Company. *CIA-211560*
- 11-4 Bugaran, mill supt. at San Mauricio.
- 11-5 Jack Frost, chief geologist, Philippine Iron Mines.
- 11-6 Closer view of loading of Philippine Iron Mines ore. *CIA-211561*
- 11-7 Schuring, mill supt. at Atlas.
- 11-8 Sumitomo-type fagregen calls at Atlas with native operator and Clarkson feeder at end of cells.
- 12-1 Dick Willey, former general supt., Philippine Iron Mines.
- 12-3 Deister tables at Acoje Chrome Mining Company, Zambalese, Philippine Islands.
- 12-4 Humphreys spirals at Acoje.
- 12-5 Two hydroseal pumps at Acoje.
- 12-6 Micky Shaner, general supt., Acoje, at the back door of his house.
- 12-7 Two Pickands classifiers. One dewatering concentrate and the other dewatering tailing at Acoje.
- 13-1 Schariot, general supt., Benguet Consolidated Mining Company's Consolidated Chrome mine contract, Zambalese, Philippine Islands.
- 13-2 Jack Curtis, general supt., Mindanao Mother Lode Mining Company's copper mine, Zambales, Philippine Islands.
- 13-3 Superintendent of Ma On Shan iron mine, Hong Kong.
- 13-4 800-ton-per-day magnetite concentrator at Ma Oh Shan. *CIA 211581*

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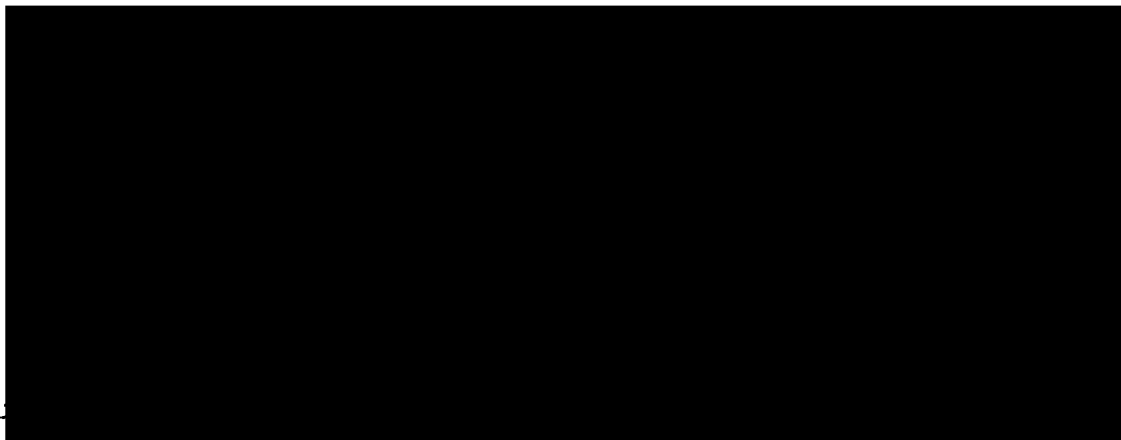
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