# Süreli Yayınlar 1984

# Mining Magazine

Gold Mining in Chile

The production of gold from Chile has increased considerably in recent years: the

#### **APRIL 1984**

	International Coal Show	331	sources are analysed.
•	Organised by the American Mining Congress, this show taking place in Chicago at the end of April is one of 1984's most important mining events.		Mineral exploration in Sri Lanka The Geological Survey Department of Sri Lanka plays a key role in mineral explora- tion. Principal products are graphite, phos- phate, ilmenite and gems.
	J haria Coalfield	349	
	India's main source of coking coal is to un- dergo major reconstruction, expanding to 57 Mt/y by the year 2000.		Gold Analysis Factors to considerwhen selecting appropriate methods of gold analysis.
	Conveyor Systems Belt conveying is increasingly selected as a practical, economic alternative to both road	362	JUNE 1984
	and rail.		Al Masane
	FRONT COVER: (L) The C2 conveyor at Quintette; (Upper R) A 60 in belt conveys copper ore; (Lower R)' Continental's test rig for steep conveyors.		Progress to date at Saudi Arabia's new copper- zinc-silver-gold property, shown on this month's front cover.
			Mine Ventilation Congress
	Portal at Point of Ayr Opening a drift through waterlogged ground.	376	A preview of this conference and exhibition taking place in Harrogate, England thismonth.
	Subsidence Measurement An example of modern survey techniques.	379	Energy From Chilled Water Pelton whells turn potential energy to good use.
			Mine Ventilation Fans
	MAY 1984		An introduction to the theory and practice of fan selection is provided in Part 1. In Part

447 Shaft Hoists Some of the latest equipment for winding men, metarials and minerals in mine shafts is reviewed.

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Discovery to an Operating Gold Mine

Warren D.Stanford

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#### APRIL 1984

Cominco's new electrolytic zing plant Cominco has just advanced the state of art with the opening of its new, highly automed zinc electrolytic and melting (E&M) plant in Trail, British Columbia.'The installation is not only the world's largest (272,000 mt/yr), but is also claimed to be "the best E &M plant anywhere."

In-pit crushing and conveying systems 46 This technology review examines several of the in-pit crushing and conveying systems that mine managers around the world are employing to combad increasing haul lengths and pit depths.

Pioneering Pyhasalmi concentrator stays one step ahead of the field Outokumpu Oy's Pyhasalmi copper-zincpyrite concentrator in Finland has just undergone process control modernization through installation of the Proscon 20/200 computer system, developed by the company's Engineering Division. The Proscon 20/200 controls three minicomputer measurement and control stations, and includes an auto-

New strategies for classification yield big gains at Brazil's Serrana phosphate

matic monitoring system for all important

machiness in the plant.

Five separate circuit modifications over 13 years have produced a net gain of 92% in tonnage treated at Serrana SA de Mineracao's çarbonatite ore grinding installation.

#### MAY 1984

Golden Sunlight sheds warming rays on Placer U.S.

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The newest addition to Montana's mining industry is Placer U.S.'s \$50 million open-pit gold mine 7 mi northeast of Whitehall. Placer U.S. anticipates 72,000 tr oz/yr from the operation.

Cornish tin mining: 1984 Part 1 of this twô-part article focuses on the Wheal Jane and Mount Wellington operations of Carnon Consolidated Tin Mines Ltd, and on Geevor Tin Mines' operations on the coast of Land's End peninsula.

Sunshine's new Sixteen-To-One silver mine 46 Sunshine Mining Co. has successfully applied a variation of vertical crater retreat (VCR)mining known as "drop raising" to a small orebody in Nevada's Silver Peak Mountain Range.

52nd Prospectors and Developers annual meeting 54 Several new gold developments and diverse

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exploration equipment highlighted this year's PDA convention, held in Toronto, March 4-7

#### Australian coal

Coal exports during the 1982-83 fiscal year were double the level of a decade earlier, but future expansion will proceed at a slower rate.

#### Australian oil shale.

Four major Queensland projects were the foci of discussions at the recent First Australian Workshop on Oil Shale, held in Lucas Heights: Rundle, Condor, Stuart-Nagoorin, and Julia Creek.

#### JUNE 1984

**1984 Guidebook: The Microcomputer Era** This issue spotlights the virtual hoard of techniques and applications that microcomputer technology—still in its infancy—has brought to the mining and processing industries. Six articles address that technology from different perspectives:

Aid to financial planning and investment Micros in exploration and mining

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