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P/M Chosen for Government Research Funding

Secretary of Commerce Philip M. Klutznick named powder metallurgy processing as one of three areas for government-sponsored R & D in 1981. The other ones are welding and joining and tribology (friction, wear and lubrication).

Research will be carried out through Cooperative Generic Technology (COGENT) Centers in fiscal 1981 (beginning October 1, 1980). Each center will be a non-profit organization controlled by private sector sponsors. Funding will be a joint effort of industry and government through Department of Commerce grants.

The government announced that projects having the maximum impact on the state-of-the art in powder metallurgy include technology transfer, powder consolidation and shape-making.

The Center for Powder Metallurgy Research, Inc. an adjunct of the Federation is preparing specific research proposals for submittal to the Commerce Department.

GKN Bows Out of U.S. P/M Business


Boorky founded Presmet in 1942 with his brother, Harry and Carl G. Johnson. It was sold to GKN in 1973.

Boorky purchased the Harding Street plant in Worcester and the Holden plant, which has been closed.

Presmet will continue to make the Bound Brook line of P/M bearings and retain the Massachusetts Steel Treating division. The company currently employs 330 people.

Presmet will have the following officers: T. L. Clewley, president; Rey Sansoucy, vice president, manufacturing; Robert G. Johnson, vice president, sales and marketing; Ray Bellenoit, administration manager.

Pacific Tin Releases Pyron Sales Figures

In its second quarter stockholders report, Pacific Tin Consolidated Corporation revealed Pyron metal powder sales during the first half of 1980 declined 41% to $2.4 million with 7.5 million pounds of iron powder shipped. This compared to sales of $4.1 million for the first six months of 1979 with 13.6 million pounds of powder delivered. It was further stated that Pyron reported a small income for the first six months of 1980.
U.S. Bronze Acquires Royal Powdered Metals

United States Bronze Powders, Inc., Flemington, New Jersey, has purchased Royal Powdered Metals Inc., Maryville, Tennessee, a producer of irregular copper powders. Royal will continue to operate as a separate entity. Jimmy H. Yoakum, president and Joseph I. Farmer, vice president - marketing, will remain with the company. Royal uses a proprietary atomization - oxidation - reduction powder making process.

K. Clive Ramsey, president and chief executive officer of USB says that the acquisition opens up the company's product line to include a full range of nonferrous metal powders and metallic flake pigments. USB makes atomized copper, brass, nickel-silver and bronze powders.

Nuclear Metals Expands

Nuclear Metals, Inc., Concord, Massachusetts, is adding three rotating electrode process (REP) machines to make ultraclean, spherical metal powders. Equipment is being installed in its new 70,000 ft.² production facility. The first machine is used to make pre-production and evaluation quantities of various metal powders, including titanium and superalloys. Ceramic-free, the machine operates with either a thoriated tungsten cathode or a plasma gun. A second machine will be operating by October and will make production quantities of titanium powders. It will be followed in January 1981 with the third machine for production of superalloy powders.

Nuclear Metals produces titanium, superalloy, high cleanliness powders, and depleted uranium parts for ordnance and medical uses. It also makes 2500 tons of steel powder annually for plain paper copying.

The company has 425 employees. Fiscal 1979 sales were $16.7 million, with before-tax earnings of $2.77 million. The company expects a 45% sales growth for fiscal 1980.

Ervin Expects to Produce Iron Powder in '81

Ervin Industries, Inc. expects to begin production of water atomized iron powder during the first quarter of 1981. A pilot line should be ready to make sample powders by early December 1980.

The new powder facility is under construction next to Ervin's steel shot plant in Butler, Pennsylvania. Structural steel and roofing are up and walls are being erected. Building size is 72,000 ft.². A 15-ton Whiting direct arc melting furnace has been delivered. Annealing furnaces purchased from A. O. Smith are on site.

Minimum annual capacity for the plant is projected at 25,000 tons. When on stream, the plant should employ about 75 production and engineering people.

Paul D. Reeves, manager-sales and marketing of Ervin's metal powder division reports that the company will produce one type of high-purity molding grade iron powder, to be designated M-100. Property data on the new powder will be available soon.

Compacting Press Corp. Chief Optimistic

Announcing his new line of hydraulic, withdrawal Powder-Mate compacting presses, Clemens C. Sutinen, president of Compacting Press Corp., is bullish about sales prospects. He said, "Our presses have been very well accepted and we are optimistic about the future."

Sutinen founded the company in 1972 after he left Mannesmann-
Meer as vice-president and general manager of its press operation in Easton, Pennsylvania.

CPC has 32 employees and also makes food and drug packaging machinery and P/M forging presses.

Powder-Mate presses are available in three categories: four column models up to 45 tons; "window frame" models up to 500 tons; and four column models up to 1000 tons. They are designed with or without removable die sets.

A new brochure describes the presses. For a copy contact Compacting Press Corp., P.O. Box 2024, Bethlehem, Pennsylvania 18011.

Argon Atomized Stainless Steel Powders

Metallurgical Industries, Inc. is now offering argon atomized stainless steel powders for hot pressing and extrusion of P/M and for plasma wear surfacing.

MI reports that the spherical stainless steel powders have oxygen contents typically below 100 ppm and offer high packing density and high purity. Powders are available in 304, 316, 317, 410 and Inconel 600 grades as well as other custom and proprietary alloys.

For information contact Metallurgical Industries, Inc., 1 Coldstream Way, Tinton Falls, New Jersey 07724; (201) 542-5800.

APMI/MPIF NEWS

P/M '80 Keynote Speaker Asks Support of Primary Metals Industry

Pierre Gousseland, chief executive officer of AMAX Inc., a keynote speaker at P/M '80, said that there are no real shortages of the world's reserves of copper, lead, iron ore, tungsten, nickel and molybdenum. He said that one of the greatest challenges facing the primary metals industry today are energy costs, which have been shooting upward at geometric rates, and overly strict government regulations. He pointed out that energy represents over 45% of the production cost of nickel, 38% of the cost of aluminum, 15% of the cost of copper and 16% of the cost of lead and zinc. He predicted continuing rising mineral prices because most current prices do not justify the risk of placing new mining properties in production.

Referring to copper he said, "Because of lower grade ores, larger scale operations, complex ore processing facilities and inflation, capital costs of developing new mines and smelters have escalated." The cost of developing a copper mining complex from mine to refinery has more than doubled in the past 10 years. A 100,000 ton per year copper mine that cost $300 million in 1970 now costs between $750 million and $1 billion.
Gousseland urged the P/M industry to support the primary metals industry - in its goals for greater access to mineral reserves on public lands, decreased government regulations and more incentives to expedite mineral development.

Pierre Gousseland, chief executive officer of AMAX Inc.

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**P/M Technology Forecast Workshop Rescheduled**

The Federation's Technical Board has postponed its P/M Technology Forecast Workshop scheduled for October 28-31, 1980 at the Amelia Island Conference Center. The state of the economy coupled with the necessity to have the right "mix" of participants, said Dr. Sydney Kaufman, board chairman, led to the decision to postpone the workshop to a later date. All invitees have been notified.

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**Fine Particle Society Gives First Hausner Award**

The Fine Particle Society has established the Henry H. Hausner Award for distinguished service to the field and the Society. The award was given to Dr. Morris Ojalvo, program director, division of engineering, National Science Foundation.

Formed in 1968, the society is a group of scientists and engineers interested in the study and understanding of matter in finely divided form. It has a membership of over 500 and sponsors annual technical conferences. J. K. Beddow, professor of chemical and materials engineering, the University of Iowa, is president of the society.

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**British P/M Meetings**

The British Metals Society will sponsor its annual Powder Metallurgy Group Meeting, October 27-29, 1980 at the Grand Hotel, Bristol, England. The meeting's theme is "High Performance Materials by Powder Metallurgy." Sessions will cover general P/M developments, wear and corrosion, high temperature materials and P/M tool steels. For information contact the conference department, The Metals Society, 1 Carlton House Terrace, London SW1Y 5DB; Telex 8814813.
The Society has also announced a call for papers for the 1981 Group Meeting, "Modern P/M Production Methods," scheduled for October 26-28, 1981 in Scarborough, England. Sessions will cover the following subjects:
1. powder metallurgy presses
2. handling of powders, compacts and sintered components
3. P/M tooling
4. P/M furnaces
5. sintering atmospheres
6. other plant and equipment
Abstracts up to 200 words should be sent to the Society by December 31, 1980.

Superalloy Conference in Switzerland
Metal Powder Report Magazine will sponsor a P/M superalloy conference, November 18-20, 1980 in Zurich, Switzerland, at the Movenpick/Holiday Inn. An exhibition will run concurrently with the conference.
The conference will assess raw materials availability and review current developments in the production of P/M superalloy components, properties of superalloys, production equipment and current applications in military and civilian aircraft.
For information contact Bernard Williams, P/M Superalloys Conference, Metal Powder Report, 18/19 Talbot Chambers, Shrewsbury, Shropshire, England SY1 1LG; Telex 35637 Alfast G.

Call for Papers - Particle Society Meeting
The Fine Particle Society has issued a "call for papers" for its 12th Annual Meeting, May 12-14, 1981, Rosemont, Illinois. The meeting will be held in conjunction with the Powder & Bulk Solids Conference/Exhibition.
Papers are being solicited for sessions on mixing, health hazards, solids handling and storage, physical-chemical properties and particle-particle separation. Additional topics will be considered for presentation at a general session.
Send abstracts (200 words maximum) by December 15 to: Dr. Hillar M. Rootare, Micromeritics Instrument Corporation, 5680 Goshen Springs Road, Norcross, Georgia 30093; (404) 448-8282; telex - 70-7450.

Precision Metal Urges Industry Participation in Directory Issue
Precision Metal Magazine requests that industry companies participate in its January 1981 suppliers directory issue. A second form to non-responding companies has just been mailed. For information about being included in the directory, contact David W. Veit, publisher, Precision Metal Magazine, 614 Superior Avenue West, Cleveland, Ohio 44113; (216) 696-0300.
PEOPLE IN THE NEWS

Management Shifts at Consolidated Metallurgical

Walter E. Jones, vice president of Glidden Metals, SCM Corporation, Cleveland, Ohio, has taken on the additional responsibility as president of Consolidated Metallurgical Industries, Inc. (CMI), Farmington Hills, Michigan. CMI makes full dense P/M tool steel parts.

Richard P. Hervey, chairman of the board, and William M. Mollison, president, have both resigned from CMI.

Kishor M. Kulkarni, manager-ferrous full dense materials, Glidden Metals research laboratory, has been appointed manager of operations at CMI, and Charles B. (Ben) Thompson, Glidden Metals technical service representative, has been appointed production manager.

Hervey Reopens Consulting Practice

Richard P. Hervey, former chairman of the board of Consolidated Metallurgical Industries, Inc., has reopened a management consulting practice, called Sigma Associates. Services include corporate planning and development, technology and market assessment, executive recruiting and domestic/foreign licensing. For information contact Sigma Associates, 4000 Town Center, Suite 1301, Southfield, Michigan 48075; (313) 357-4860.

MacDonald Joins Gold Refining Company

Robert J. MacDonald, former president of Greenback Industries Inc. and the Metal Powder Producers Association, recently joined Williams Gold Refining Co. Inc., Buffalo, New York, as vice president of technology and development. Williams is a privately held firm with annual sales in excess of $100 million. It makes dental materials, semiconductor materials, jewelry metals and is a refiner of precious metals.

MacDonald will be responsible for research and development, quality control, metallurgical operations and management of the precious metal refining and jewelry metals divisions.

IPM Fills Applications Engineering Manager Position

John J. Mueller has been named manager, applications engineering, by IPM Corporation, an Allegheny Ludlum Industries Company, Columbus, Ohio. He will concentrate on the appliance and lawn and garden markets.

Molycorp Names Metallurgical Products Sales Manager

Molycorp, Inc., a wholly owned subsidiary of Union Oil Company of California, has promoted Daniel A. Hackett to manager of metallurgical product sales. He will be responsible for ferroalloy sales and service, headquartered at Gateway Center, Pittsburgh, Pennsylvania.

Molycorp is a major producer of molybdenum and rare earths, and a supplier of columbium.