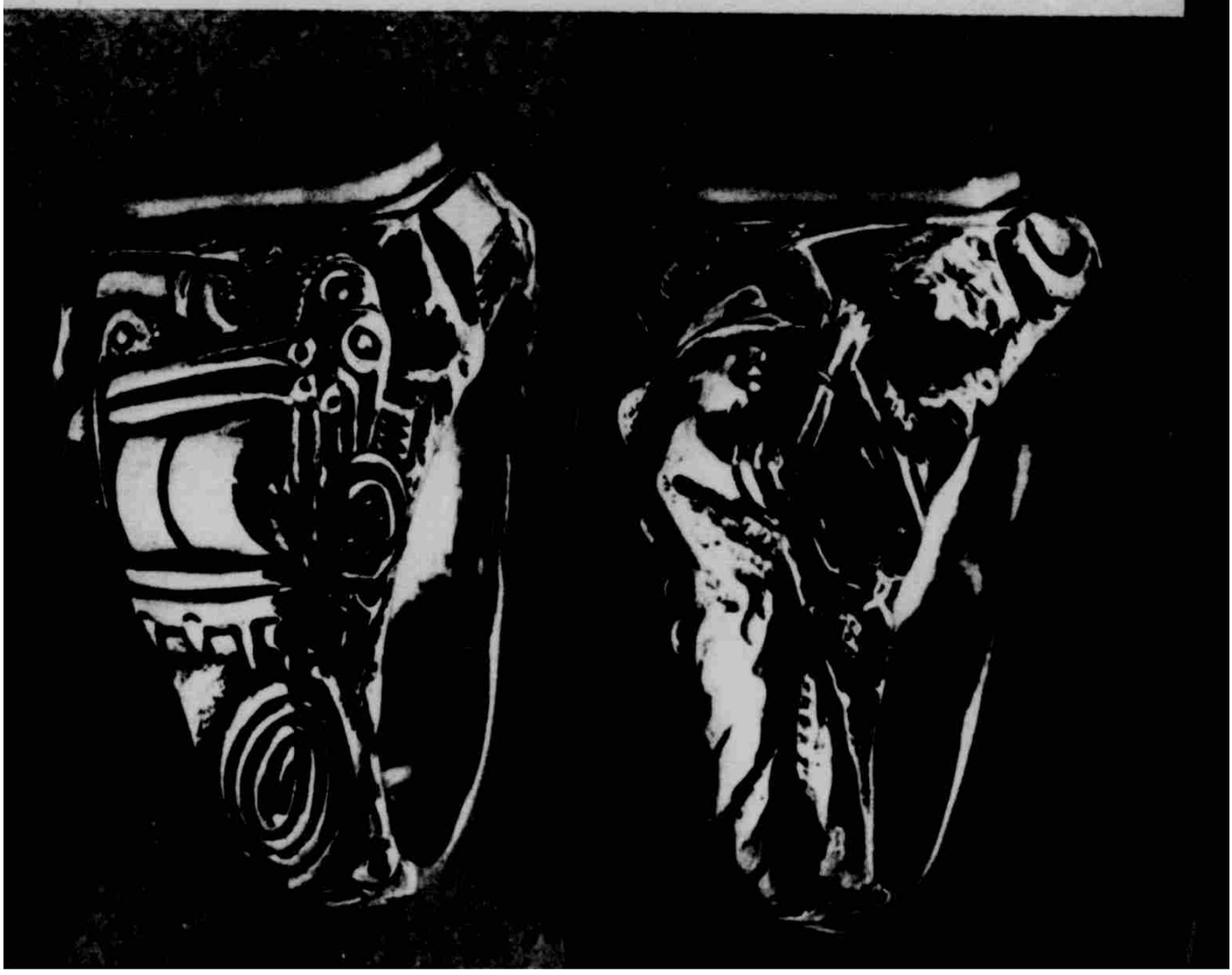
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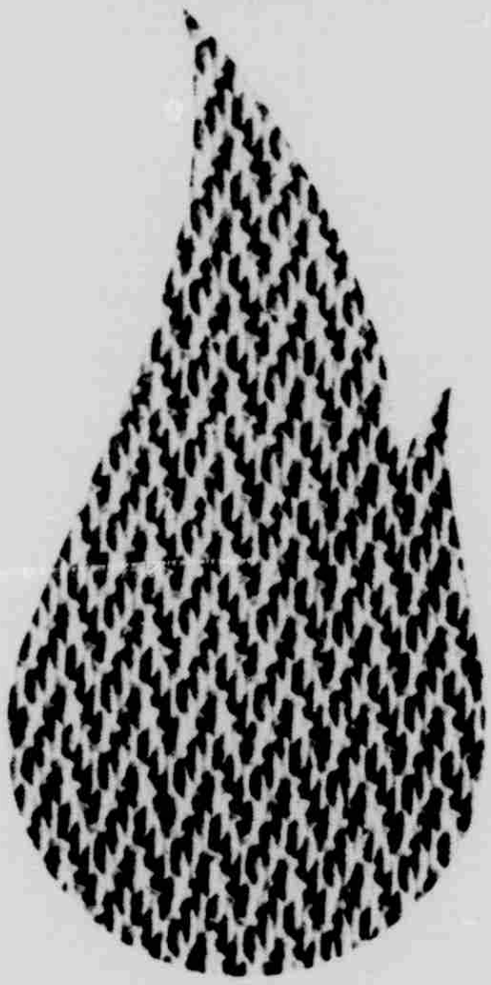
Greetings from Industry Leaders
&
Asbestos Story Ring



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ASBESTOS

VOLUME 53 JANUARY 1972 NUMBER 7

FOUNDED JULY 1919 AND PUBLISHED MONTHLY SINCE THAT DATE

CONTENTS

GREETINGS FROM INDUSTRY LEADERS	2
FEDERAL ACTION TO CONTROL ASBESTOS DUST	18
THE COVER—ASBESTOS STORY RING	22
NEWS FROM ASBESTOS COMPANIES	24
MARKET CONDITIONS	26
CONSTRUCTION NEWS	28
MOTOR VEHICLE FACTORY SALES	28
PRODUCTION-IMPORTS-EXPORTS	30
BIRTHDAY GREETINGS	38
ASBESTOS STOCK QUOTATIONS	40
TRADE OPPORTUNITIES	40
MEN ON THE MOVE	42
NEW ASBESTOS PATENTS	44
CALENDAR OF EVENTS	46
REMEMBER WHEN?	48

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Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 3 of 52
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GREETINGS FROM INDUSTRY LEADERS

AMERICAN ASBESTOS TEXTILE CORPORATION

On behalf of the Board of Directors, Officers and Employees of American Asbestos Textile Corporation, I wish you all a very happy holiday season and a prosperous and successful New Year.

During the past year, American Asbestos has been researching new ways to improve the working conditions within its manufacturing plants. A unique wet-processing system, designed specifically for carding and spinning, was developed early this year. This system is being installed throughout all our plants and has been very successful—greatly reducing the threshhold limits.

We are looking forward to 1972 as a year of new and improved products for our customers and ideal working conditions for our employees.

J. L. Rainey

PRESIDENT

ASBESTOS CORPORATION LTD.

Once again we of Asbestos Corporation Ltd. are pleased to extend our greetings and best wishes to all of our friends in the Asbestos Industry.

The past year presented many uncertainties in the international market and we hope these will be overcome in the early part of 1972—if not before.

All the best for 1972.

W. W. Oughtred

PRESIDENT & CHIEF EXECUTIVE OFFICER

ASBESTOS INVESTMENTS (PTY) LTD.

This is a welcomed and privileged opportunity for me to extend my sincere greetings and best wishes for this holiday season and a happy and successful 1972.

The year 1972 will probably be a most challenging one and the Asbestos Industry will again be highly competitive. We at Asbesco firmly believe in the future of our Industry and of our product, asbestos fiber. As an evidence of our faith in the future and based on very satisfactory exploration

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Without asbestos, life for all of us would be a lot more hazardous.

For information on how asbestos can help you, contact your local J-M representative or the Canadian Johns-Manville Co., Ltd., Box 1500, Asbestos, P.Q. Or Johns-Manville Asbestos Fibre Sales, Box 159, Manville, New Jersey 08835 U.S.A.

Johns-Manville JM



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results, we proceed with our plans for a considerable expansion of our Crocidolite production facilities in the Kuruman area.

I sincerely hope that this will allow us in the future to even better serve our worldwide friends and customers and I would like to wish them success in their own development ventures.

Ernst Schmidheiny

CHAIRMAN

BBA GROUP LTD.

Although the BBA Group's brake lining activities have done well, sales of asbestos products are lower than last year with export sales being particularly depressed.

We expect that 1972 will see more activity in the United Kingdom with some check on the inflationary spiral which has bedeviled all industry.

Perhaps we may also see a settlement of the Rhodesian problem which has deprived us of a fiber we have missed for so long.

We extend our best wishes to our friends in the Industry.

F. Pearson

CHAIRMAN

THE CAPE ASBESTOS CO. LTD.

Once again I am glad to have this annual opportunity of conveying a message to readers of ASBESTOS at this time of the year.

Economic conditions throughout the world have made 1971 an eventful year for industry. Capital investment in the United Kingdom has been at a low level but signs are that there will be an upturn in 1972 and onwards.

Asbestos continues to play its part as a vital component of many essential products, and demand is unabated. Standards of quality, in both fibers and finished goods, show constant improvement and the future outlook is encouraging.

It is with pleasure that I send all good wishes for Christmas and the New Year to ASBESTOS as well as to all our mutual friends in the Industry.

R. H. Dent

CHAIRMAN

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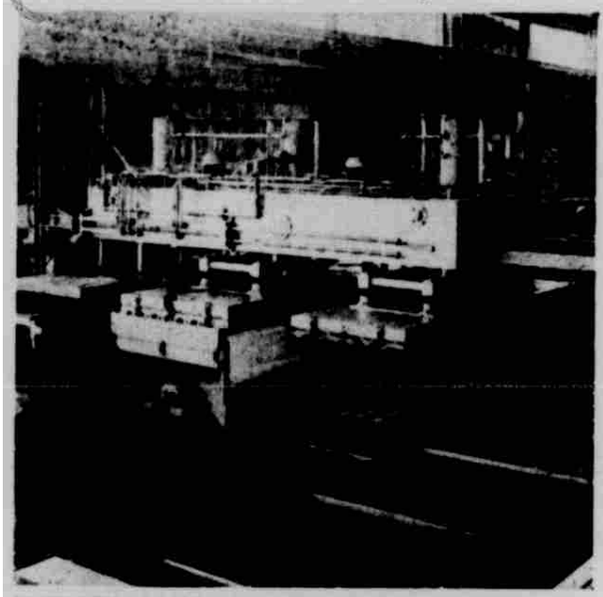
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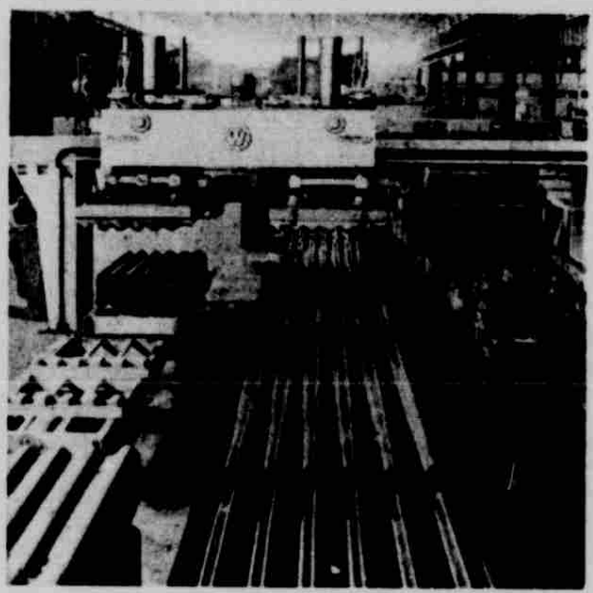
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What are your specific problems? Modernisation of sheet-machine? – Production of special sheets of 9 m length? – Up-to-date pneumatic corrugator? – Plant for pressure pipes? – Automatic socket pipe installation? – Modern laboratory equipment? – Efficient plant for prefabricated walls, sandwich panels (made of asbestos-cement sheets and foamed plastics)? Presses or cutting-presses for high quality sheets? – Automatic consistency control of water, asbestos and cement, during production? – Remember, WEHRHAHN represents more than a man's age of experience with references all over the world! Why not contact them? Ask for up-to-date quotations!

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CAREY-CANADIAN MINES LTD.

It is indeed a pleasure to have this opportunity to convey the wishes of our staff to everyone in the Asbestos Industry for a happy and prosperous New Year. The year past, fraught with monetary problems, has not been an easy one, but we have come out of it very well and look forward to continued progress in the year ahead.

R. J. Merrill
PRESIDENT & GENERAL MANAGER

CASSIAR ASBESTOS CORPORATION LTD.

On behalf of the staffs of the Cassiar and Clinton Mines and of the Transport Division, I extend to our mining friends in Canada and to our customers in the United States and abroad, our best wishes for the Christmas Season and the New Year.

J. D. Christian
CHAIRMAN & PRESIDENT

CERTAIN-TEED PRODUCTS CORPORATION

As always, it is my pleasure to extend season's greetings to Certain-teed's many friends in the Asbestos Industry.

The past year has been one of the most gratifying in Certain-teed's long history. Sales and earnings rose to record levels and we strengthened our competitive position in the building materials and pollution control industries through several timely acquisitions.

One newly-acquired subsidiary, Tekology Corporation, holds patents on a waste recycling technique which converts inorganic refuse materials into useful building blocks, bricks, and tiles for use in residential and commercial construction. A great variety of wastes may be used, including scrap asbestos. We think the Tek Process, as it it called, may be a partial answer to man's ever-growing concern with solid waste disposal, and has special application to a problem which for years has plagued the Asbestos Industry. We look forward eagerly to developing this new technique.

Once again, best wishes to all for a productive and prosperous New Year.

Malcolm Meyer
PRESIDENT & CHAIRMAN

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CANADA



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& Fibres



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GAF CORPORATION
INDUSTRIAL PRODUCTS DIVISION

While the nation's economists strive to assess the impact of a variety of factors bearing on our future economic growth, GAF Corporation views the coming year with optimism.

Having just completed one of its most successful years in terms of growth, progress and profitability, GAF sees 1972 as a year brimming with promise of still greater achievements in these areas.

The company's Industrial Products Division, which closely relates to fluctuations in the economy, has shown constant improvement over the past twelve months and all yardsticks point to a continuation of this trend in 1972.

The asbestos fiber line received particular attention during 1971 and substantial expenditures were made to improve ore yield to meet forecasted demands in 1972. With these high development costs behind us, all indications are this area will make an important contribution to operations of the company.

We at GAF would like to take this opportunity to wish all of our friends in the Asbestos Industry the merriest of Christmases and the happiest of New Years.

R. Power Fraser, Jr.
VICE PRESIDENT

JOHNS-MANVILLE CORPORATION

It is always a good feeling to finish the year on a note of cheer and enthusiasm.

We at Johns-Manville welcome the tradition of the holiday season to extend our greetings to friends and associates in the Asbestos Industry throughout the world.

On behalf of Johns-Manville people everywhere, let me extend sincere best wishes for a joyous holiday season and a 1972 filled with success.

Asbestos sales to our customers in the U.S. and Canada were strong in 1971, exceeding our expectations. However, asbestos sales to many international customers were lower than expected in the second half of 1971 as a result of world monetary complications.

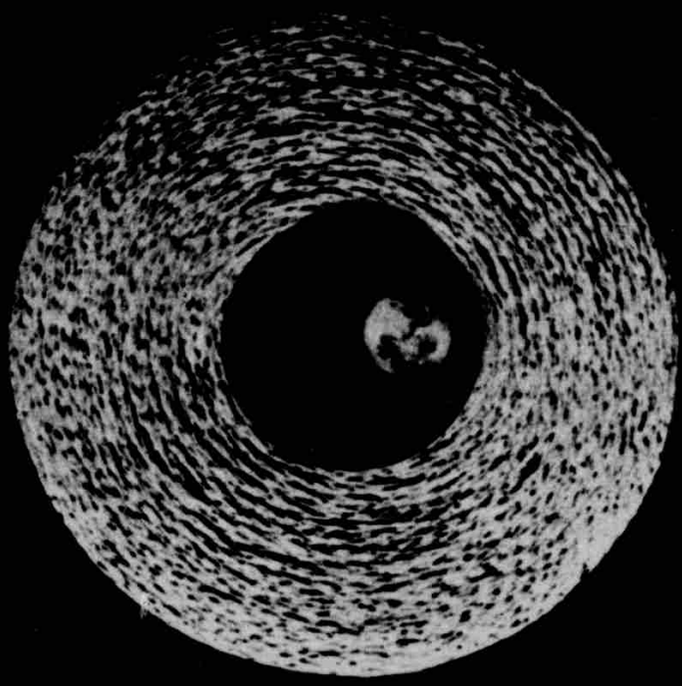
We look forward to 1972 as a year of stronger demand from domestic customers and a return to greater confidence in the international market.

Again, to one and all a very happy and prosperous 1972.

W. R. Goodwin
PRESIDENT

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WE SET OUR SIGHTS FOR THE MOON AND MADE IT



UNIROYAL

LAKE ASBESTOS OF QUEBEC LTD.

Once again it's a pleasure to have the opportunity through ASBESTOS to convey our warmest best wishes for the New Year to our many friends and customers.

Present unsettled world economic conditions are having some unfavorable effects on the year-end shipments of asbestos; however, the long-term outlook continues good for this mineral fiber essential to the needs of the modern world and technology, with its more than 3000 industrial uses.

We look forward with faith and confidence in the leadership of our governments, and our Industry, that with tolerance and understanding we will return to a more stable business climate so that our Industry will progress and prosper while meeting the needs of our customers in better quality and service.

Michael J. Messel

PRESIDENT

NATIONAL GYPSUM COMPANY
GOLD BOND BUILDING PRODUCTS DIVISION

The Gold Bond Building Products Division of National Gypsum Company and its Canadian subsidiary, National Asbestos Mines, Ltd., extends season's greetings to all its friends, customers, agents and to the readers of ASBESTOS.

The resurgence of the homebuilding industry in the United States has stimulated an increased use of asbestos fiber in many construction materials. The outlook for 1972 in housing and commercial construction is equally as good as 1971. This combined with the increased demand in world markets indicates a strong market for fiber in 1972.

Substantial improvements in control of dust emissions from tailing dumps and in-plant processing at our mines have been completed and are operational. Similar improvements have been made in our United States processing plants. We are actively supporting the Asbestos Information Association/North America which is a focal point for activities related to environmental problems, to which much public attention is being given.

A happy and prosperous New Year to all!

John P. Hayes

PRESIDENT

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ASBESTOS

North American Representatives

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Canadian Asbestos Ontario Ltd.
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13900 Carmenita Road

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Central Solvents & Chemicals Co.
6308 East Sharp Avenue

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Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 13 of 52
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NICOLET INDUSTRIES, INC.

While we all would like to know what results may be produced by the efforts of the Federal Government to alter the course of the economy, this uncertainty does not affect the fundamental obectives of the companies in our Asbestos Industry. Whatever the Government may do, we still must find ways to develop and produce, efficiently, asbestos materials and products which serve the needs of the market. The year 1971 was a year of increased sales volume and improved profit margins for Nicolet Industries, Inc. We are forecasting an acceleration of these trends in 1972.

We wish our customers, suppliers and friends success in the New Year; if they prosper, we are confident that we too shall prosper.

Guy George Gabrielson, Jr.

PRESIDENT

PACIFIC ASBESTOS CORPORATION

We are pleased to have this opportunity to send greetings to all in the Asbestos Industry and related fields.

Since Pacific Asbestos Corporation has emerged as a viable entity in fiber production and marketing, our desire is to sustain and improve that position. Our emphasis will continue to be toward increased production, highest quality fiber and an expanded domestic market.

Best wishes from California for a prosperous and productive New Year.

Philip E. Holmes

PRESIDENT

H. K. PORTER COMPANY, INC.
THERMOID DIVISION

H. K. Porter Company, Inc., sends greetings to its good friends in the Asbestos Industry at this holiday season in 1971. We wish you good health and prosperity in 1972.

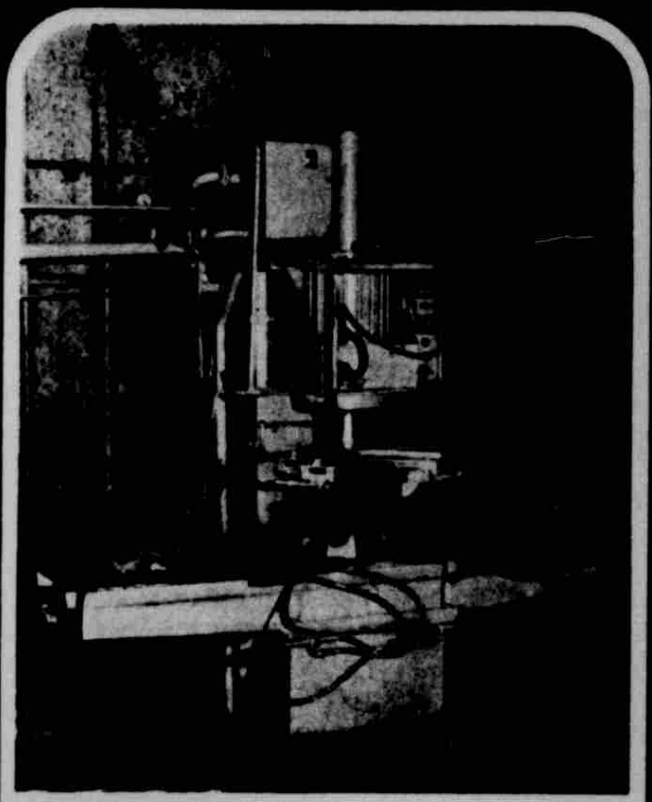
We at Porter have had an exciting year as we closed two small plants and expanded a third to more than make up for the lost capacity. As we begin 1972 it will be with our Charlotte, N. C., Works and our expanded Bennettsville, S. C., Works ready to serve our customers with the finest of asbestos textiles.

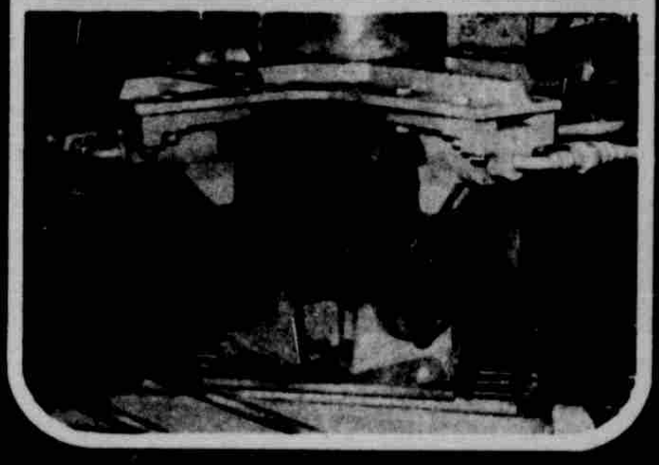
Ernest C. Bratt

GENERAL MANAGER-ASBESTOS

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MACHINERY and PLANTS
for PIPES, SHEETS and FITTING
in ASBESTOS CEMENT





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PUTTEN'S ASBESTOS CORPORATION OF SOUTH AFRICA (PTY.) LTD.

Through the courtesy of ASBESTOS, I again take this opportunity to extend to all our friends all over the world my best wishes for a prosperous and peaceful New Year.

The year 1971 was a successful year for our organization and although during the second half of 1971 there were some requests for postponements of shipments owing to recession conditions in certain parts of the world, there is every indication that the economic climate in such countries will be back to normal during the first quarter of the New Year. In any case, during the greater part of 1971 the demand for South African fibers exceeded the production possibilities. Positive steps were taken in South Africa to increase production and I feel that the efforts made will be more than justified.

Once again, all the very best.

Jan van der Putten
CHAIRMAN

RAYBESTOS-MANHATTAN, INC.

Season's greetings to all in the Asbestos Industry from Raybestos-Manhattan. The past year has had its share of problems for all of us but in general the Industry has fared well despite outside forces trying to condemn it and restrict it.

There have been many changes at R/M during the year as we restructure our organization to meet the challenges of the future. The sale of our interest in Raybestos-Belaco Ltd. in England has been instituted. We have started construction of a friction material factory in Australia. Our abrasive and diamond wheel business has been sold.

We have introduced a new product, Novatex, which offers a wide variety of interesting applications.

We can see a good year ahead for asbestos textiles and asbestos products despite the regulations that are being considered. It will be a challenging but constructive year that we await with optimism.

William S. Simpson
PRESIDENT

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brake linings

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ASARCO

ASARCO INTERNATIONAL CORPORATION
a subsidiary of American Smelting and Refining Company

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 17 of 52
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TURNER & NEWALL LTD.

Challenges facing the Asbestos Industry today are greater and more widespread than at any time I can recall. There are commercial challenges from alternative materials, with which it is well able to cope. There are others which stem from exaggeration of occupational and environmental hazards. Erroneous views on this topic may be the result of ignorance, misrepresentation, which we should confront.

We, in the Industry, now know enough about these problems to enable us to create safe working conditions in every mine and manufacturing plant. Let each one of us make it his New Year Resolution to ensure that within his area of responsibility there is no failure in this direction.

There is no reason why our customers should have any anxiety about the use of our products. I believe, as do all balanced observers of the industrial scene, that the technical advantages and unique characteristics of asbestos and asbestos-based materials far outweigh the disadvantages, which are in any case controllable and have been energetically tackled by the Industry for many years. Ultimately society will decide what balance to strike between the benefits and costs to industrial communities of using asbestos. The Industry has a responsibility to see that the decision makers, in whatever country they may be, have a fair appreciation of all the relevant facts.

For what may be a crucial year, we in Turner & Newall send all our friends in the Asbestos Industry throughout the world our greetings and best wishes. We have great faith in a future of expansion.

R. M. Bateman
CHAIRMAN

UNIROYAL FIBER & TEXTILE

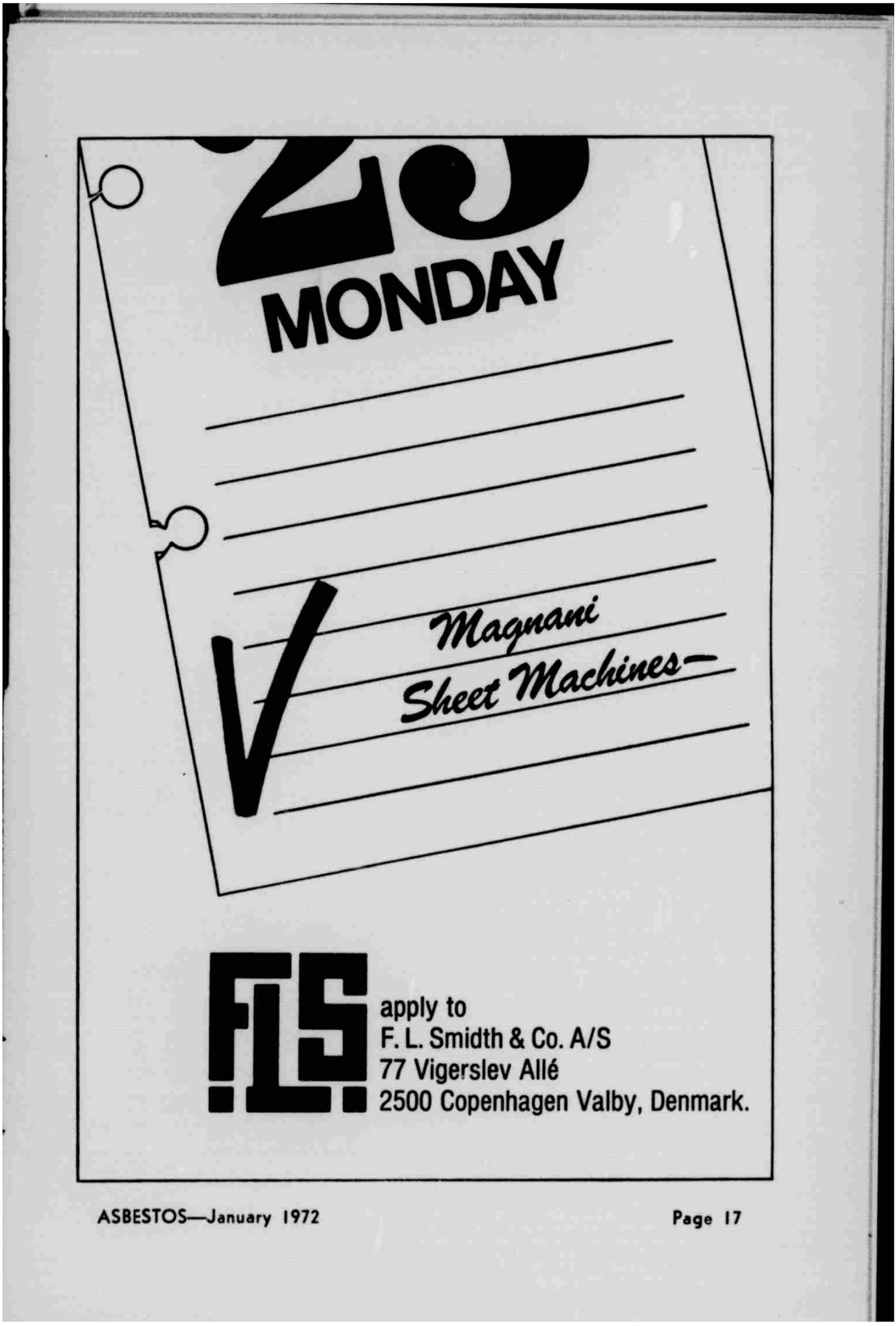
As in previous years, it is again my pleasure to extend our best wishes for a prosperous New Year to our friends in the asbestos textile industry.

The challenges we faced in 1971 are now behind us and we look forward to the new year geared with enthusiasm to the accomplishment of the tasks which lie ahead.

To our suppliers and customers whose cooperation we have enjoyed throughout the past year, we send our best wishes for a successful year ahead.

Clarence H. Sigler, Jr.
VICE PRESIDENT & GENERAL MANAGER

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FEDERAL ACTION TO CONTROL ASBESTOS DUST

EPA PROPOSED EMISSION STANDARDS

The Environmental Protection Agency's *proposed* national emission standards for *asbestos*, beryllium and mercury were published in the Federal Register on December 7, 1971 (40-CFR, Part 61). The three minerals were initially listed in the Federal Register on March 31, 1971 (36CFR, Part 62), and were the first to be identified as hazardous air pollutants under the 1970 Clean Air Amendments. Under the 1970 Amendments, EPA has 180 days in which to hold public hearings and set *final* emission standards, unless information presented at the hearings demonstrates the pollutants clearly are not hazardous.

EPA Administrator William D. Ruckelshaus announced on December 11 that the public hearings on the proposed standards for asbestos, beryllium and mercury are scheduled as follows (all hearings will begin at 10:00 a.m.) : January 18 in New York City, Courtroom #2, Room 461, 1 Federal Plaza; February 1 in Kansas City, Room 214, The Midtown Building, 1735 Baltimore Street; and February 15 in Los Angeles, Room 1501, U.S. Courthouse, 312 North Spring Street.

Anyone having scientific data on whether asbestos, beryllium and/or mercury are hazardous within the meaning of the 1970 Amendments or on what levels constitute a risk to public health are urged by Administrator Ruckelshaus to present such information by testifying at the hearings or by submitting it for the hearing record. He also asked that interested persons present data on the extent to which promulgation of the standards would be beneficial to the public health.

Within 90 days from December 7, written comments, in triplicate, on all aspects of the proposed regulations including economic and technological issues and on the test methods should be addressed to EPA, Office of Air Programs, Division of Compliance, Research Triangle Park, N.C. 27711.

Those wishing to make a statement at a hearing are to file a notice of intent at least 15 days before the hearing date and submit 5 copies of the statement at least 10 days in advance. Notices and statements should be addressed to the Administrator of EPA, Attention : Presiding Officer, Hazardous Emission Standards Hearing, Room 17-70, 5600 Fishers Lane, Rock-

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 20 of 52
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ville, Maryland 20852.

The proposed standards for asbestos are designed to minimize emissions of the fiber to the atmosphere. The provisions of Subpart B—National Emission Standards for Asbestos are applicable, under §61.20, to the following sources of atmospheric asbestos: mines, mills, manufacturing facilities, fabricating operations, buildings which have been or will be constructed or modified using asbestos insulating products; and roadway facilities which would be surfaced or resurfaced using asbestos tailings. Under §61.21, the term "asbestos" is defined as any of six naturally occurring, hydrated mineral silicates: Actinolite, Amosite, Anthophyllite, Chrysotile, Crocidolite and Tremolite.

It would behoove all those engaged in asbestos mining, milling, manufacturing, spraying, fabricating or the application of fiber or products to secure a copy of the proposed national emission standards for asbestos (pages 23239-23243, Federal Register, 12/7/71) from the Environmental Protection Agency, Washington, D.C. 20460, and to plan to attend one of the scheduled hearings.

TEMPORARY EMERGENCY STANDARD

Pursuant to sections 4(b) (2) and 6(c) of the Williams-Steiger Occupational Safety and Health Act of 1970, and based on recent studies and increasing data on the results of exposure of employees to airborne asbestos dust, the U.S. Department of Labor, as listed in the Federal Register on December 7, 1971, has amended certain sections of Title 29—Labor, Code of Federal Regulations, that are concerned with asbestos; specifically, Part 1518—Safety & Health Regulations for Construction and Part 1910—Occupational Safety & Health Standards.

Part 1518 has been amended by stating that paragraphs (a) and (b) of §1518.55 *do not* apply to the exposure of employees to asbestos dust. Whenever any employee is exposed to airborne asbestos dust, the requirements of §1910.93a shall apply.

Part 1910 is amended by eliminating from Table G-3 the listings of asbestos and tremolite and adding §1910.93a as a completely separate and detailed Emergency Standard for Exposure to Asbestos Dust. Space limitations prevent printing the new paragraph in its entirety. However, it does definitely limit exposure to asbestos dust as follows: "The 8 hour time-weighted

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average airborne concentration of asbestos dust to which employees are exposed shall not exceed 5 fibers per milliliter greater than 5 microns in length, as determined by the membrane filter method at 400-450x magnification (4mm objective) phase contrast illumination. Concentrations above 5 fibers per milliliter, but not to exceed 10 fibers per milliliter, may be permitted up to a total of 15 minutes in an hour for up to 5 hours in an 8-hour day."

It goes on to specify that where engineering methods such as enclosure, vacuum sweeping and local exhaust ventilation are not feasible or capable of reducing concentrations below the specified levels, respiratory devices shall be provided and used in accordance with regulations which are spelled out in succeeding paragraphs.

Succinctly stated, the type of respirators required for the three concentrations of dust specified are as follows: For atmospheres containing not more than 25 fibers per milliliter over an 8-hour period, a reusable or single-use filter type respirator operating with negative pressure during inhalation or a valveless respirator providing equivalent protection shall be used. . . . For atmospheres containing not more than 250 fibers per milliliter over an 8-hour period, a powered filter positive pressure respirator shall be used. . . . For atmospheres containing more than 250 fibers per milliliter over an 8-hour period, a type C positive pressure supplied-air respirator shall be used. Respirators of all types specified must have received the approval of the U.S. Bureau of Mines under the Bureau's Schedule 19B or 21B, whichever applies.

Other parts of the regulations require that hand or power tools which produce asbestos dust shall be provided with local exhaust ventilation and dust collectors, that mixing of asbestos cement shall be done in closed bags or other containers, and that all clean-up of asbestos dust shall be performed by vacuum cleaners. Dry sweeping is prohibited.

We have been advised by informed sources that the "Emergency Standard for Exposure to Asbestos Dust" under Part 1910 is in effect as of December 7, 1971, for a period of 60 days, after which time permanent standards must be promulgated. Following usual procedure, public hearings should be scheduled within 30 days of promulgation of the standards and 180 days should be allowed before the permanent standards are effective.

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 22 of 52
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NEWS

FOR
ASBESTOS-CEMENT
MANUFACTURERS

SCAPA sets the standards

by which other felts are judged

The SCAPA range of A.C. felts
—the new development of the '70's—offers.

* RELIABILITY
* REPEATABILITY
* SERVICE

We develop—make—and
sell A.C. felts... that's all!

SCAPA TEXTILES LTD



Left to Right: M. J. Messel, President of Lake Asbestos of Quebec Ltd.; André Emsens; Dr. K. V. Lindell; and A. L. Penhale, Vice-Chairman of the Board of Asbestos Corporation Ltd.

THE COVER—ASBESTOS STORY RING

PRESENTED TO TWO WORTHY RECIPIENTS

"Asbestos Story" gold rings, traditionally awarded to outstanding leaders in the asbestos mining and manufacturing industries throughout the world, were recently awarded during a testimonial dinner held in Montreal, Quebec, Canada. Ring No. 14 was presented to André Emsens, Chairman of Compagnie Financiere Eternit S.A., Brussels, Belgium. Dr. Karl V. Lindell was honored as the receiver of the 15th casting.

Guests at the gala affair included 30 senior Asbestos Industry officials from Britain, Canada, Europe and the United States. Four of the gentlemen present are ring-holders, one of whom is Grant V. Wilson, of Chicago, Illinois, a constructive industry executive who designed and cast the first Asbestos Story Ring.

As shown on the front cover, the Ring is rather massive in size, symbolic of the bigness of the Industry. It consists of an onyx centerpiece inscribed with the holder's monogram and supported by intricately interlocked gold figurines de-

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 24 of 52
Published by AsbestosClaims.Law
asbestosclaims.law/library/12657/24

picting typical examples of the men, machinery and materials that make up the Asbestos Industry, closely following the story as told in the following poem, quoted from ASBESTOS, October 1955:

THE STORY IN THE ASBESTOS RING

First the miner unearthing
The precious long crude,
Hand cobbing the ore
That's silky and good.

By the hands of the weaver
It was opened and carded.
With a yarn for the looms
—a textile industry started.

Modern milling piled up
Shorter grades by the acre,
And the genius of man
Formed it into a paper.

An age of technical Science
Was born in all nations.
Asbestos was king—
Of the best insulations.

In tapes and in rolls
Corrugated and sheets,
In cements and in coverings
It performs its great feats.

Many fortunes and Industries
Have grown from this root
But the mineral—Asbestos
Has no substitute.

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Nicolet industries inc.

Nicolet Industries, Inc. requires a research and development engineer whose primary responsibility will be to develop improved methods for the selection, preparation, evaluation, and use of asbestos in our manufacturing operations. Minimum requirements are 3 years experience in paper or asbestos operations and a B.S. ChE.

We offer a challenging opportunity, an attractive salary program and excellent benefits including relocation assistance.

Send resume (which will be treated in strict confidence) to, or call:

A. M. KETTERER

NICOLET INDUSTRIES, INC.

Ambler, Pa. 19002

(215) 646-4000

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DUBLIN APPOINTS CAPE ASBESTOS

Cape Asbestos Fibres Ltd. were appointed exclusive sales agents by Dublin Consolidated Asbestos Mines (Pty) Ltd. for the supply of its Amosite grades CF and KM/AA. These grades are classified as short Amosites and are suitable for use in the manufacture of insulating and fire-resistant boards and in asbestos-cement sheets.

EXTRA-THIN GASKETING MATERIAL FROM J-M

An extremely thin, high-strength asbestos paper gasketing material, designated as Style No. 747, has been introduced by Johns-Manville Corporation. The new product is as thin as 5.5 nominal mils and has a caliper range of only 5.0 to 6.0 mils. It is also available in other thicknesses.

The material is resistant to cracking and crazing due to the firm mechanical bond between the asbestos of the base sheet and the silicone resin saturant as well as to the controlled, partially-cured state in which the product is supplied. It resists oxidation, chemical fumes, dilute acids and alkalis and oils. It is affected by concentrated acids and solvents containing high percentages of aromatic or chlorinated hydrocarbons. The product is suitable for temperatures to 400°F and is very satisfactory for gaskets used in gas and water meters, small appliances, aerospace products and a variety of applications having minimum space requirements. The lightweight material weighs only 3-4 pounds per 100 square feet for the 5.5 mil size.

J-M LITERATURE

New Technical Bulletin AFD-24A describes the application and benefits of non-proprietary asbestos-asphalt concrete road patching mixture . . . . Booklet TR604A gives information on new Super Temp-Tite, a factory-fabricated, insulated pipe system for conveying steam and high temperature hot water underground. The pipe is a carbon steel core pipe wrapped in two layers of insulation and covered with Transite asbestos-cement casing pipe.

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 26 of 52
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CAPE ASBESTOS

The World's Biggest Producer of Amphibole Asbestos

Enquiries for Amosite and Blue Crocidolite Fibre to:-

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Cowley, Uxbridge,
Middlesex, England.
Telephone: Uxbridge 37111
Telegrams: Amoblue Uxbridge
Telex: 23471 UXB

North American Asbestos Corporation,
Suite 2950,
150 North Wacker Drive,
Chicago, Illinois, 60605,
U.S.A.
Telephone: (312) 726 8515
Telegrams: Noramco

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MARKET CONDITIONS

GENERAL BUSINESS

The biggest news by far in December was strictly financial but the results, hopefully, will have beneficial effects on the economies of countries all over the world for years to come.

In a conference of the group of ten free world trading partners, the U.S. took the lead by devaluing the dollar by approximately 8%. In return, the other members of the group agreed to revalue their own currencies in relation to the dollar. Some devalued, others remained fairly steady but, most important, the West German mark and the Japanese yen were revalued upward. This general agreement was reached on December 18 and, on December 20, President Nixon announced that he was immediately removing the 10% surcharge on duties on imports of foreign goods into the U.S.

In the opinion of experts, the free world has thus laid to rest the threat of the worst financial crisis since the 1930's.

Assuming these currency adjustments work out as planned, the direct effects should be a substantial improvement in the balance of trade position of the U.S. and increases in domestic consumption of their own products by countries such as West Germany, Japan and Italy. The indirect effects could include increases in expenditures for public works of all sorts in those countries and many other readjustments in their thinking with regard to "priorities" insofar as their own peoples are concerned.

Reflecting the confidence of investors that this realignment of currencies will result in an improved economic climate, stocks on the New York Exchange moved sharply upward during the last weeks of December.

So far as the current U.S. economy is concerned, while automobile sales and housing starts are showing great strength, general business is still in the doldrums although predictions of both government and independent economists for 1972 are quite optimistic.

Late in December the Federal Reserve Bank of New York lowered its rate on repurchase agreements to 4⅛%.

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 28 of 52
Published by AsbestosClaims.Law
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Following this, the Federal Reserve Bank of Philadelphia lowered its discount rate to 4½% and some New York and Philadelphia banks lowered their prime rates to 5¼%. Thus we see a general lowering of the cost of borrowed money, indicating the Administration, through the Federal Reserve System, is trying to expand the economy by adjusting its monetary policy.

ASBESTOS FIBER

Markets for asbestos fiber in the United States and in Canada have continued at a reasonably good level. In both countries the construction and automotive industries have been operating at high levels and substantial quantities of asbestos are being consumed by these industries. If President Nixon's measures serve to improve the U.S. economy, such improvement will serve to increase the usage of asbestos fiber.

The international demand for asbestos fiber weakened after the first half of last year and this process was accelerated by the Nixon measures. First, the asbestos fiber users in such countries as Japan and West Germany anticipated a reduction in the economic activity resulting from Nixon's announcement on August 15 and secondly, the revaluation of currencies versus the U.S. dollar is significant in its effect on the purchasing plans relating to asbestos fiber.

In general, market demand for asbestos fiber in 1972 is "cloudy" but will probably clear up as a result of the recent clarification or settlement of international currency problems.

The politicians continue to play their personal game using the asbestos/health theme as their medium for recognition. The press is a willing ally in this process of distortion and sensationalism. No one and least of all the Asbestos Industry can object to factual information and distinct progress can be made if facts are presented in a neutral and unbiased manner. The statement of a medical expert engaged in the study of asbestos and health continues to be valid, namely, "the risk to the general public posed by the mostly intermittent exposure to the low concentrations of asbestos likely to be present in the ambient air has been exaggerated beyond the limits of imposed facts."

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 29 of 52
Published by AsbestosClaims.Law
asbestosclaims.law/library/12657/29

CONSTRUCTION NEWS

NOVEMBER 1971 construction contracts made a strong rebound with the Dodge Index advancing 13% to 155 (1967=100). Contracts for future construction work totaled $6,404,727,000, 24% above November 1970.

Nonresidential building contracts reached a total value of $2,128,352,000, a 24% gain over the prior November amount.

Residential building contracts broke all records and totaled $3,001,416,000, 53% over November 1970. Gains were recorded in one-family homes and in apartment units.

Nonbuilding construction dropped 14%, to $1,274,-959,000, from the year-ago value. Much of the decline was attributed to utilities which included a particularly large project in November 1970. Roadbuilding contracts have been declining steadily for the past few months, a surprising situation in view of the announcement made in October that the Department of Transportation would be releasing previously withheld Federal highway funds to stimulate jobs in high unemployment areas.

Cumulative construction contract value for the first 11 months of 1971 totaled $73,487,163,000: Nonresidential, $23,736,006,000, up 4%; Residential, $31,931,341,000, up 40%; Nonbuilding, $17,819,816,000, up 2%. The 11-month total for 1971 was 17% above that for the same period in 1970. [F. W. Dodge Division, McGraw-Hill Information Systems Co.]

MOTOR VEHICLE FACTORY SALES

SEPTEMBER 1971 motor vehicle factory sales from plants in the *United States* totaled 951,122 (passenger cars—757,821; trucks and buses—193,301). Sales in OCTOBER 1971 reached 988,293 (passenger cars—793,459; trucks and buses—194,834). The cumulative total for the First Ten Months of 1971 was 8,888,379 compared with 7,048,207 for the same period in 1970.

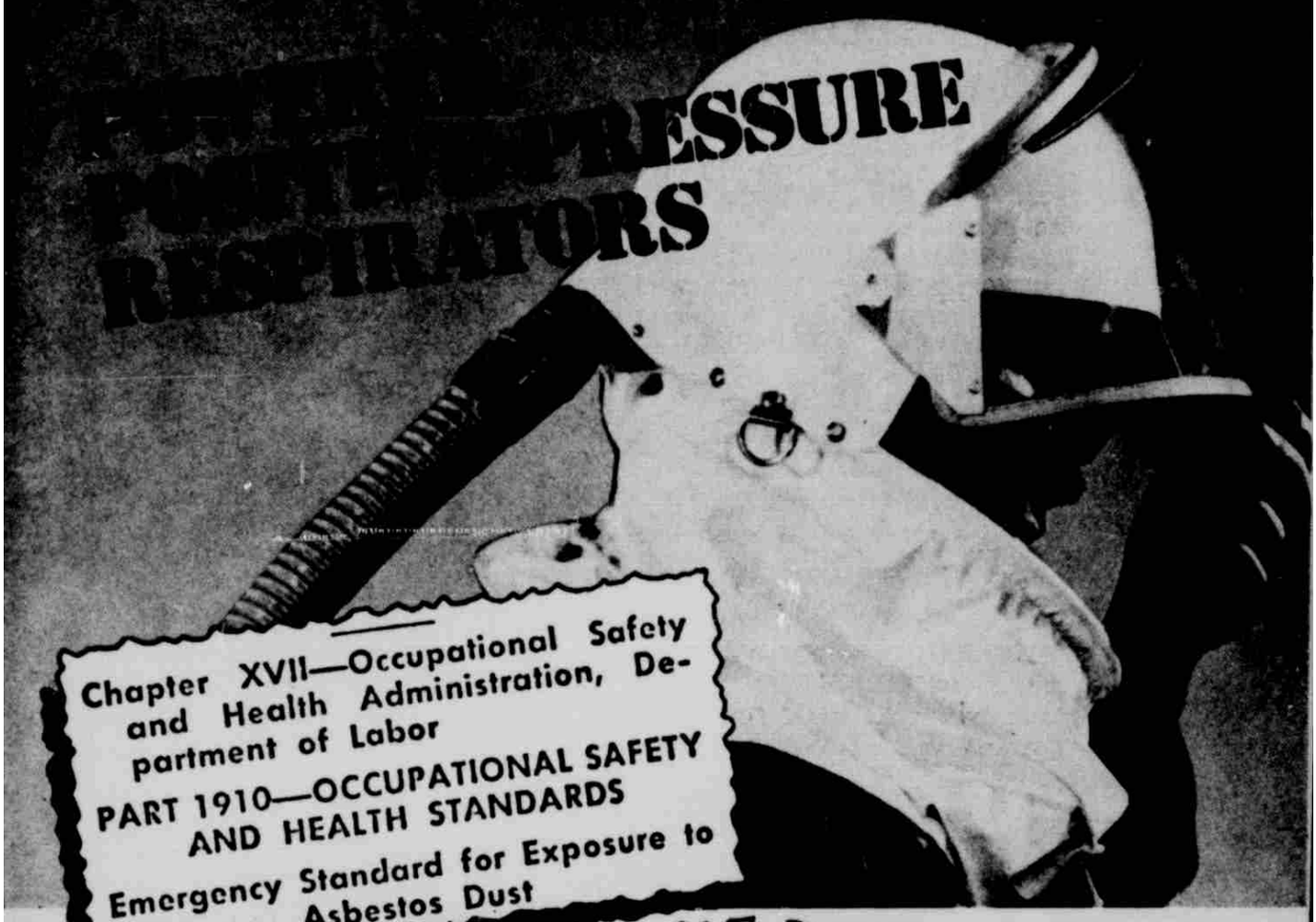
Motor vehicle factory sales from plants in *Canada* totaled 126,260 in September 1971 and 120,353 in October 1971. The cumulative total from January-October 1971 was 1,129,-066 against 1,015,400 for the like period in 1970. [Automobile Manufacturers Association]

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 30 of 52
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asbestosclaims.law/library/12657/30

NOW REQUIRED, BY FEDERAL SAFETY REGULATIONS, FOR ASBESTOS WORKERS:

(FEDERAL REGISTER, VOL. 36, NO. 234 — DECEMBER 7, 1971)

PRESSURE RESPIRATORS



Chapter XVII—Occupational Safety and Health Administration, Department of Labor

PART 1910—OCCUPATIONAL SAFETY AND HEALTH STANDARDS

Emergency Standard for Exposure to Asbestos Dust

(3) For an atmosphere containing not more than 250 fibers per milliliter greater than 5 microns in length over an 8-hour average, or more than 500 fibers per milliliter over any period of 15 minutes, a powered filter positive pressure respirator approved by the U.S. Bureau of Mines under the provisions of 30 CFR Part 14 (Bureau of Mines Schedule 21B) shall be used.

THE ONLY SYSTEMS THAT MEET THIS SPEC. ARE ELECTRIC-POWER RITE WHITECAP HELMET SYSTEMS!

(4) For an atmosphere containing more than 250 fibers per milliliter greater than 5 microns in length over an 8-hour average a type C positive pressure supplied-air respirator approved by the U.S. Bureau of Mines under the provisions of 30 CFR Part 12 (Bureau of Mines Schedule 19B) shall be used.

...AND RITE WHITECAP COMPRESSED-AIR SYSTEMS MEET THIS ONE!

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4429 SAN FERNANDO ROAD, GLENDALE, CALIF. 91204

TELEPHONE: (AREA 213) 245-1746

RITE WHITECAP HELMET SYSTEMS T.M.

PRODUCTION—IMPORTS—EXPORTS

Australia—The following asbestos statistics were issued by the Bureau of Mineral Resources, Geology & Geophysics, Canberra, for the *Year 1970.*

Production of Chrysotile asbestos totaled 900 short tons (790 tons from New South Wales and 110 tons from South Australia).

Imports reached 75,624 tons, valued at $10,279,000. The breakdown is as follows: Chrysotile, 61,590 tons, valued at $8,575,000; Amosite, 11,024 tons, valued at $1,394,000; Other Types, 3,010 tons, valued at $310,000.

Exports of All Types and Grades amounted to 488 tons, valued at $114,000.

Comparable totals for the year 1969 are: 825 tons produced; 59,068 tons imported at a value of $7,371,000; 182 tons exported at a value of $43,000.

Australia—Production of non-acoustic asbestos-cement sheets for the *Year 1970-71 (July-June)* totaled 40,240,000 square yards, compared with 42,120,000 square yards for the same 12-month period the previous year. [Commonwealth Bureau of Census and Statistics, Canberra]

Canada—Producers' shipments of asbestos during *September 1971* totaled 136,367 short tons (113,240 tons from Quebec plants and 23,127 tons from plants in Newfoundland, Ontario, British Columbia and the Yukon). The total for September 1970 was 160,331 tons.

January-September 1971 cumulative total was 1,158,868 short tons, against 1,165,473 tons during the same 9-month period of 1970. [Dominion Bureau of Statistics, Ottawa]

Canada—Production of vinyl-asbestos tile during the *First Nine Months of 1971* totaled 129,028,183 square feet (60,223 short tons), compared to 114,705,909 square feet (52,694 tons) for the same period in 1970.

Imports of vinyl-asbestos floor and wall tiles reached 300,150 square feet, valued at $36,000, for the *First Half of 1971,* compared with 219,987 square feet, valued at $21,000, for the same period of the prior year. [Dominion Bureau of Statistics, Ottawa]

Cyprus—Production of asbestos during the *First Nine Months of 1971* totaled 18,435 short tons, valued at £1,031,390. [Mines Department, Ministry of Commerce & Industry, Nicosia]

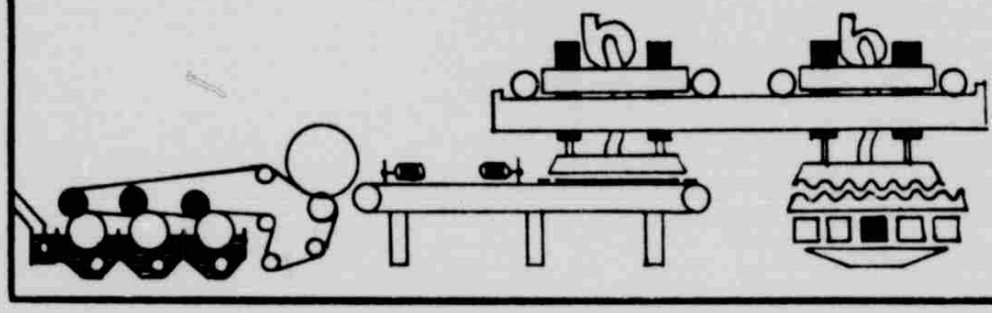
Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 32 of 52
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EXPORTS FROM U.S.A.

Figures from U.S. Bureau of the Census — **AUGUST 1971**

Unmanufactured Asbestos:			
Crude & Spinning Fibers	s. tons	103	$ 19,393
Non-Spinning Fibers	s. tons	963	164,284
Waste & Refuse	s. tons	2,135	200,192
		3,201	$ 383,869
Manufactured Asbestos Goods:			
A-C Shingles & Clapboard	Lb	2,690,076	$ 267,326
Other Asbestos-Cement Articles	Lb	4,437,257	728,552
Asbestos Gaskets	Lb	70,829	82,705
Asbestos Packing	Lb	336,214	664,859
Asbestos Heat or Sound Insulation		..	317,242
Asbestos Textiles & Yarns	Lb	865,582	233,837
Asbestos Protective Clothing		..	6,735
Mfrs. Other Than Friction Materials		..	201,217
Clutch Facings & Linings for Auto. Use.	No	57,526	71,607
Clutch Facings & Lining, Other	No	8,362	10,694
Brake Linings for Automotive Use	Lb	446,099	263,790
Asbestos Brake Linings, Other	Lb	212,906	178,792
			$3,027,356

EXPORTS FROM CANADA

Figures from Dominion Bureau of Statistics — **AUGUST 1971**

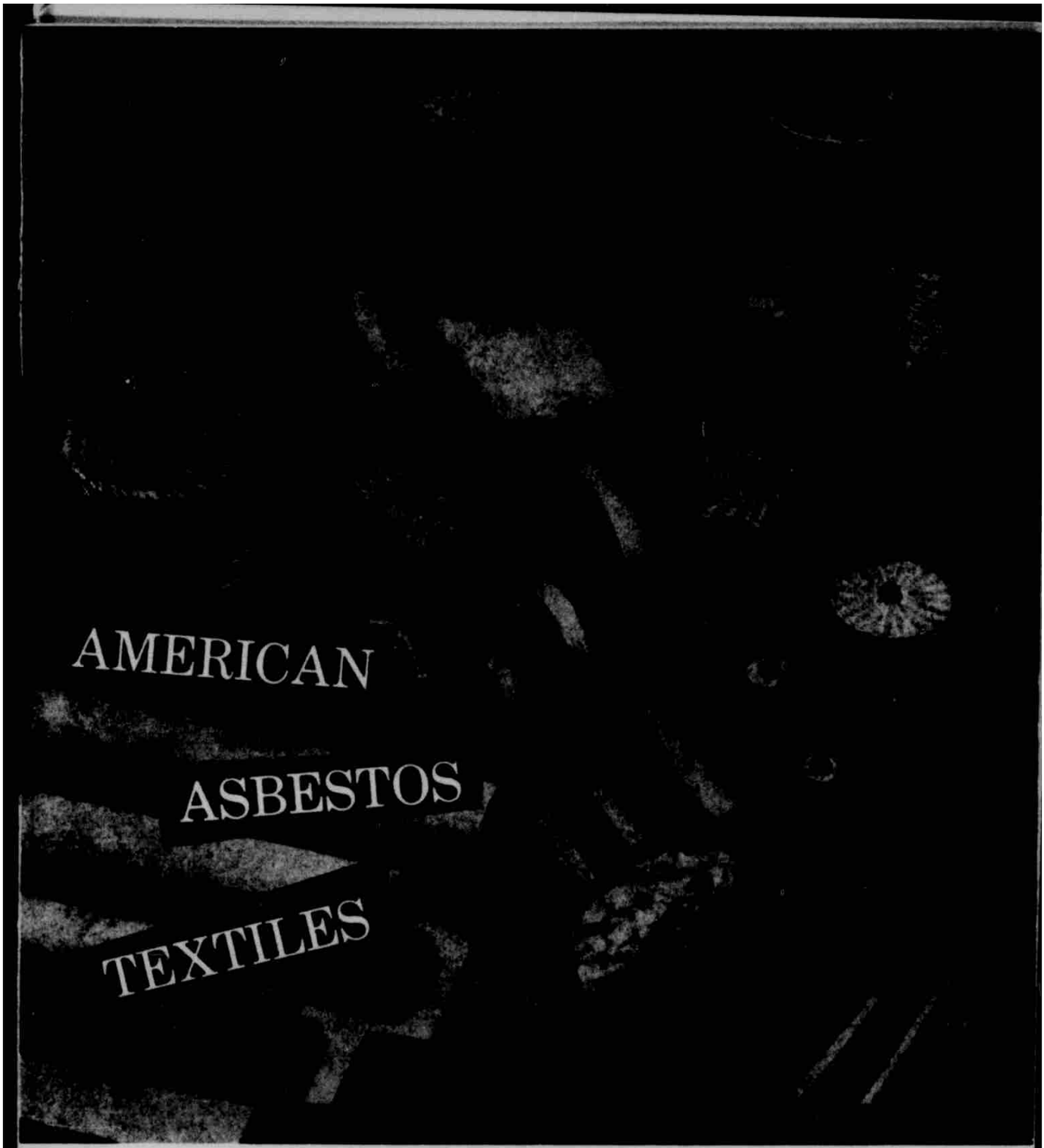
Short Tons

Unmanufactured Asbestos:	Crude	Milled Gp 3	Milled Gp 4&5	Shorts Gp 6-9
Western Europe	6	933	27,738	11,845
Eastern Europe	..	..	2,473	35
Middle East	..	..	1,288	452
Africa	..	..	1,561	979
Asia	..	483	4,909	3,015
Oceania	..	..	2,607	1,882
So. & Cen. America & Antilles	..	67	7,734	3,500
United States	9	1,422	15,785	39,322
	15	2,905	64,095	61,030

The total amount of unmanufactured asbestos exported in *August 1971* was 128,045 short tons, valued at $19,298,000.

Manufactured Asbestos Goods:	
Asbestos Brake Lining & Facings	$ 60,000
Asbestos-Cement Building Materials	151,000
Asbestos Basic Products, Other	162,000
	$ 373,000

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 34 of 52
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AMERICAN ASBESTOS TEXTILE CORPORATION

PLANTS AT NORRISTOWN, PA. MILFORD SQUARE, PA. MEREDITH, N.H. TOLUCA, MEXICO

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MINERAL FACTS & PROBLEMS, 1970 EDITION

Part 5: Research

Research on production has been conducted by companies operating mines in Canada. Substantial research has been conducted on utilization of the more plentiful shorter grades in applications where longer grades are preferred. For instance, it has been found that more complete fiberization, permitting better contact of cement and fiber, will allow Groups 5 and 6 to be blended in increasing proportions with Group 4 in making asbestos-cement products.

Two companies have developed processes for reducing the iron content of Quebec asbestos to make it suitable for electrical uses. Johns-Manville Corporation manufactures Quinterra paper from such fibers. Raybestos-Manhattan, Inc., has developed a process for making a low-iron product known as Novabestos. Both Quinterra and Novabestos papers may be interlaminated with a glass fiber fabric or grid to give additional strength. These products are now manufactured commercially and are used extensively in cable construction and for other nonferrous applications.

The Cape Asbestos Co. Ltd., London, has investigated tensile testing of Crocidolite and Amosite, their chemical resistance and their behavior in solutions of various chemicals and surface active agents. The only laboratory in the world devoted to fundamental research on asbestos fibers was recently constructed by Turner & Newall Ltd., Manchester, England. New types of equipment were developed to sort asbestos fibers according to diameter and length.

The Naval Research Laboratory has developed a glass fiber gas mask filter said to be superior to those made of Bolivian Blue asbestos. Bolivian Crocidolite is, therefore, no longer regarded as strategic.

Much research has been done on the synthesis of asbestos but results thus far have no commercial application. The U.S. Bureau of Mines has synthesized Amphibole asbestos but the fibers made are weak and brittle. Asbestiform compounds not found in nature that have some of the properties of asbestos have been formed. Chrysotile, the type of asbestos most in demand, has been synthesized in fibers of only submicroscopic length. The Bureau has performed core drill tests on various properties to determine the occurrence of asbestos, and the U.S. Geological Survey has studied the geology of asbestos deposits in various States.

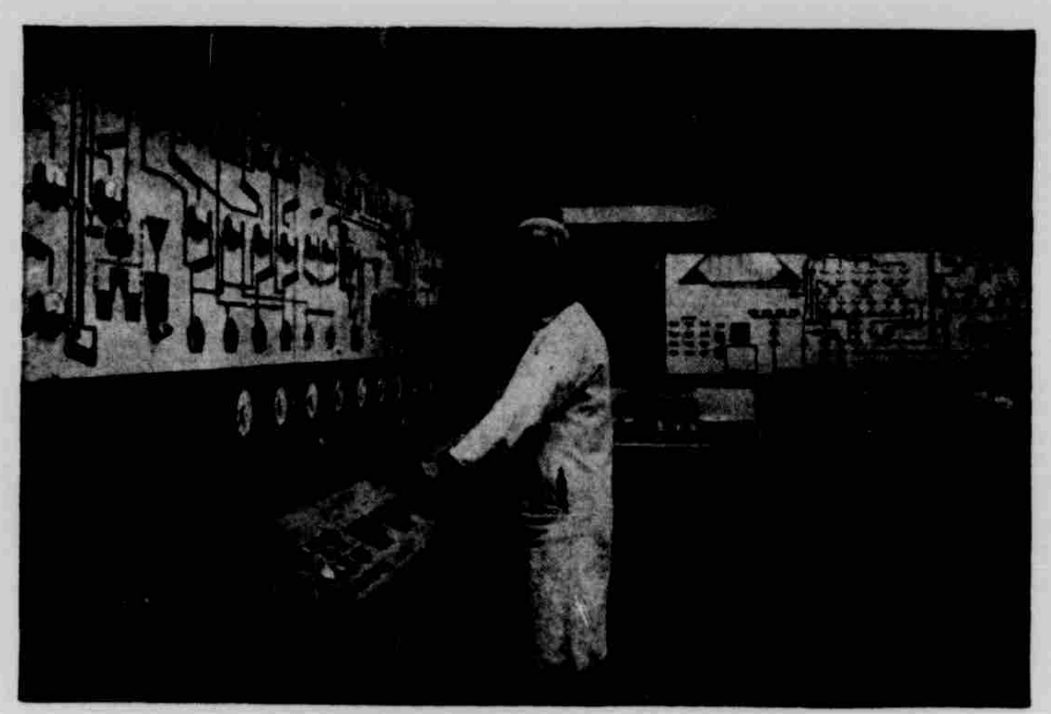
NEXT ISSUE—APPARENT RESERVES; PRODUCTION, CONSUMPTION & TRADE

ASBESTOS-CEMENT EXPERT

offers his specialized services to an asbestos-cement factory or to a company that manufactures asbestos-cement machines. Ample experience in both fields.

Please reply to P.H.E.G., c/o ASBESTOS, P.O. Box 471, Willow Grove, Pa. 19090.

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How Gold Bond keeps track of asbestos grades for 3,200 end uses.

Gold Bond processes asbestos for the darndest things. Products like armored cars, artificial snow, cartridges, filing cases, frying pan handles, spark plugs and yarn.

Naturally we want to control the quality and uniformity of the many grades of asbestos we produce. So to meet exact customer requirements, we use sophisticated equipment as seen in this Thetford Control Center.

It controls five floors of automated milling equipment. Closed circuit TV helps monitor the complex maze of milling circuits throughout the huge facility.

Whatever your asbestos needs, check first with National Asbestos Mines, Thetford Mines, P. Q., Canada. Or write to National Gypsum Company, Buffalo, New York 14202.

Gold Bond
ASBESTOS FIBRES

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 37 of 52
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BRITISH METAL APPOINTED AGENT

Chrysotile Corporation of Australia Pty. Ltd., has appointed *The British Metal Corporation (Australia) Pty. Ltd.* as its agent for the sale of asbestos fiber in Australia and New Zealand. British Metal is a major international organization with headquarters in London, England. It participates in the marketing of metals and the development of projects in the mining industry throughout the world. In Australia, the firm is actively engaged in the sale of non-ferrous mineral productions and industrial raw materials.

Chrysotile Corporation is the operating subsidiary of Woodsreef Mines Ltd., which, in turn, is 58.57% controlled by Pacific Asbestos Ltd., of Canada. The first shipment of asbestos fiber from the new mining and milling complex near Barraba, N.S.W., Australia, is scheduled for mid-February, under the contract with Marubeni-Iida, of Japan. Initial mill capacity is 5000 tons of ore per day, to produce 70,000 tons of fiber annually. Provision has been made for doubling the capacity by 1975.

Samples of asbestos from the property were displayed at the Chinese Trade Fair at Canton late last year. A company spokesman said there is a potential asbestos market in Communist China and the firm is doing everything possible to explore this potential. He feels that asbestos can be exported from Australia to China more cheaply than from China's present major sources of supply in the northern hemisphere.

PATHFINDER SAMPLING PROGRAM

A bulk sampling program has started on the Lili asbestos property of *Pathfinder Resources Ltd.*, located 4½ miles south of Asbestos, Quebec, Canada. The first excavations have been made and the initial 100 tons for the tune-up of the 100-ton mill at St. Adrien, near Asbestos, were slated to go from the A zone during the latter part of December. This is to be followed by a 200-ton sample from the B zone. Drilling is continuing around the clock with two BQ drills on the B zone.

RHODESIAN EPO NOTICES

According to the "Chamber of Mines Journal," effective August 12, 1971, the following actions were taken on Exclusive Prospecting Orders concerned with asbestos prospecting in Southern Rhodesia.

Withdrawal of Reservation: Salisbury District, 16414, Vankees (Vankees Syndicate).

Forfeiture: Gwelo District, 5632-5634-5645-5831, Railway Asbestos, Stand 2, Hunt 2, Stand 3 (L. E. W. Kaschula).

Forfeiture: Gwelo District, 6523-6575, Max Asbestos and Mac (A. L. Spoeth).

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 38 of 52
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BIRTHDAY GREETINGS TO . . .

David F. Calliari, Vice President-Finance & Treasurer, Raybestos-Manhattan, Inc., Bridgeport, Connecticut, February 15.

Elmo A. DiSalvo, President & General Manager-Philip Carey, Philip Carey Company, Cincinnati, Ohio, February 16.

Lawrence E. Moody, Works Manager, Charlotte Works, Thermoid Division, H. K. Porter Co., Inc., Charlotte, N. C., February 16.

Donald E. Trimble, Treasurer, The Flintkote Company, White Plains, New York, February 18.

E. R. E. Carter, Chairman of the Board & President, Advocate Mines Ltd., Toronto, Ontario, Canada, February 20.

Ronald P. Armonath, Marketing Research Manager, Raybestos-Manhattan, Inc., Bridgeport, Connecticut, February 21.

George W. Smith, Director, Bell Asbestos Mines, Ltd., Thetford Mines, Quebec, Canada, February 22.

Charles M. Fenton, Managing Director, BBA Group Ltd., Cleckheaton, Yorkshire, England, February 24.

W. H. Foster, Manager-Engineering, Asbestos Corporation Ltd., Thetford Mines, Quebec, Canada, February 27.

W. P. Gibbons, Vice President & Director for Divisional and Corporate Advertising, Johns-Manville Corporation, New York City, February 27.

James J. Polizzi, Vice President, North American Asbestos Corporation, Chicago, Illinois, February 28.

John L. Rainey, President, American Asbestos Textile Corporation, Norristown, Pennsylvania, March 1.

Carl H. Thede, General Sales Manager, Building Products Division, GAF Corporation, New York City, March 1.

George W. Behnke, President, Simplicity Engineering Company, Durand, Michigan, March 3.

Robert S. Coleman, Vice President, National Asbestos Mines Ltd., Thetford Mines, Quebec, Canada, March 3.

Gordon H. Gibbs, Mining Engineer, Willowdale, Ontario, Canada, March 3.

W. J. W. Smith, Director, Vice President & Sales Manager, Bell Asbestos Mines, Ltd., Thetford Mines, Quebec, Canada, March 3.

James E. Sullivan, Senior Vice President, Philadelphia Asbestos Corporation, Philadelphia, Pennsylvania, March 3.

James M. Cloney, Vice President-International Operations, GAF Corporation, New York City, March 5.

Kempton Dunn, Vice Chairman, Illinois Central Industries, Inc., Chicago, Illinois, March 5.

B. G. Hill, Chairman & Managing Director, Ferodo Ltd., Chapel-en-le-Frith, England, March 5.

James R. Allen, General Marketing Manager-Electrical & Equipment Products, Packings & Friction Materials Division, Johns-Manville Corporation, New York City, March 6.

William G. Brinker, President, The Clark Asbestos Company, Cleveland, Ohio, March 8.

D. W. Hills, Chairman & Joint Managing Director, Turner Brothers Asbestos Company Ltd., Spotland, Rochdale, England, March 9.

Paul C. Nikitovich, Vice President for J-M International & General Manager for Latin America & Far East, International Division,

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Johns-Manville Corporation, New York City, March 9.
M. P. Carson, Executive Vice President, Asbestos Corporation Ltd., Montreal, Canada, March 10.
Haydn S. Wood, Director, Philadelphia Asbestos Corporation, Philadelphia, Pennsylvania, March 11.
Philip G. Dolan, Corporate Director of Marketing Services, Raybestos-Manhattan, Inc., Bridgeport, Connecticut, March 12.
George R. Vila, Chairman of the Board & President, Uniroyal, Inc., New York City, March 12.
G. P. Loubert, Vice President & General Manager, Canadian Products Division, Canadian Johns-Manville Company Ltd., Port Credit, Ontario, Canada, March 13.
Colin S. Hoyes, Works Manager, Wunderlich Ltd., Brisbane, Queensland, Australia, March 14.
Chester J. Sulewski, Vice President-Growth Planning & Development, Johns-Manville Corporation, New York City, March 14.

MAPS/BOOKLETS/ARTICLES

Principal Mineral Areas of Canada—the 1971 edition of Mineral Map 900-A has been issued by the Department of Energy, Mines and Resources, Ottawa, Canada. [available free of charge; folded or flat; order from Surveys and Mapping Branch, 615 Booth Street, Ottawa, or from Mineral Resources Branch, No. 8 Temporary Building, Ottawa]

Canada's Mining Industry—two informative booklets were recently published by The Mining Association of Canada, i.e., "What Mining Means to Canada, 1971," and "Facts & Figures on Mining in Canada, 1971." [available in either French or English from the Association at 20 Toronto Street, Toronto 210, Ontario]

Canadian Mines Handbook, 1971-72—contains facts and background information about Canadian mining companies; includes maps, financial data, production figures, ore reserves, head and mine office locations, etc. [obtainable through ASBESTOS or direct from The Northern Miner, 77 River Street, Toronto 247, Ontario; paper copy $8.00; personally imprinted leatherette copy $10.00]

CIM Articles—The following articles appeared in the October 1971 issue of the CIM Bulletin: "Planning the Development of a Mining District—An Eastern European Approach," "A Proposal for Monitoring Mine Ventilation Air Volumes," and "Wet Collectors Control Dust and Air Pollution." [for further information, contact The Canadian Institute of Mining and Metallurgy, Suite 906, 1117 Ste. Catherine Street West, Montreal 110, Quebec]

Have you ordered your copy of "The Asbestos Factbook"?

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ASBESTOS STOCK QUOTATIONS

CLOSE—DECEMBER 28, 1971

Abitibi Asbestos	*$2.00	Grace	28⅛
Advocate Mines	*$1.75	Gulf & Western (pfd 1.75)	.91
Allied Mining	*$3.15	G&W (pfd 3.50)	113
Asarco	19⅞	G&W (pfd 3.87)	58½
Armstrong Cork	44⅞	G&W (pfd 5.75)	68¼
Armst Cork (pfd 3.75)	56	Illinois Central	35⅜
Asbestos Corporation	*$26.50	Ill. Central (pfd 3.50)	60
Bendix	42⅜	Johns-Manville	41½
Bendix (pfd 3)	64¼	Maremont	32½
Carlisle	20	National Gypsum	19⅞
Cassiar Asbestos	*$19.50	Natl Gypsum (pfd 4.50)	71
Cerro Corporation	14⅝	Pacific Asbestos	*$1.25
Certain-teed	47	Panacon	3⅜
C-teed (pfd .90)	45½	Pathfinder	*$85.00
Conwest	*$7.90	Porter (pfd 5.50)	69
Flintkote	30⅜	Raybestos-Manhattan	29
F-kote (pfd-A 4.50)	84	Royal Industries	13⅜
F-kote (pfd 2.25)	43¼	Unarco	13⅝
GAF Corporation	23	Union Carbide	42½
GAF (pfd 1.20)	29⅜	Uniroyal	18¾
Garlock	20½	Uniroyal (pfd 8)	103¼
		United Asbestos	37⅞

*Canadian Currency
(Sources: The Wall Street Journal & The Northern Miner)

TRADE OPPORTUNITIES

Argentina—importer-agent seeking exclusive agency agreement for ore grinders and crushing hammer mills, ore concentrating equipment and ore and aggregate feeders; contact Fred Schaupp, Tecnomac, Cerrito 822, 9° piso, Buenos Aires.

Canada—manufacturer interested in the direct purchase of roof tiles and shingles; write to Canflo Hardwood Flooring, 1304 Beaumont Avenue, Montreal 304, Quebec.

Colombia—distributor-manufacturer-retailer looking for agency agreements concerning all kinds of gaskets for cylinder heads, asbestos flat sheets and cord and insulating impregnated paper for gaskets; contact "El Surtidor"—Carlos A. Rodriguez, Calle 5a, No. 4-55-Fontibon, Bogota.

Italy—major importer-distributor in Italy trying to locate Canadian suppliers of asbestos fiber who are not already committed in Italy; contact Mr. Nicolini of Henry Coe and Clerici, Via Martin Piaggio 15, 16122 Genoa.

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 42 of 52
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CABLE: HUXLEYCORP
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OUR 25TH YEAR

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MEN ON THE MOVE

ASBESTOS CORPORATION LTD.

Gorden E. MacDonald, Vice President-Finance, General Dynamics Corporation, was appointed a Director and Chairman of Asbestos Corporation Ltd., replacing **Roger Lewis** who resigned. Prior to joining General Dynamics in April 1971, Mr. MacDonald was Vice President and Chief Financial Officer of Hughes Aircraft Company.

JOHNS-MANVILLE CORPORATION

G. Earl Parker, in addition to his duties as Assistant Secretary, is now Corporate Counsel for J-M responsible for the general legal offices of the corporation. He joined J-M in 1968 as an Attorney . . . . **Gerald D. Murray** was appointed to the newly-established position of Manager of Community Relations and Special Projects. Included in his responsibilities is the coordination of concert tours of the J-M sponsored JPJ Quartet, which is presenting programs in communities in which J-M has operating facilities . . . . **Robert H. Feeney,** former partner in the advertising firm of Turner & Feeney, Inc., is now Advertising Manager for J-M's Residential Products Division.

LINATEX CORPORATION OF AMERICA

Ashworth N. Stull, formerly Executive Vice President, was appointed to the Presidency of Linatex. He is also President of Anti-Abrasion Engineers and is a Founder and former President of the American Polymer Association. . . . Other appointments include **Lawrence D. A. Jackson** as Executive Vice President and **Robert E. Ennis** as Vice President and General Manager.

POLYREZ COMPANY

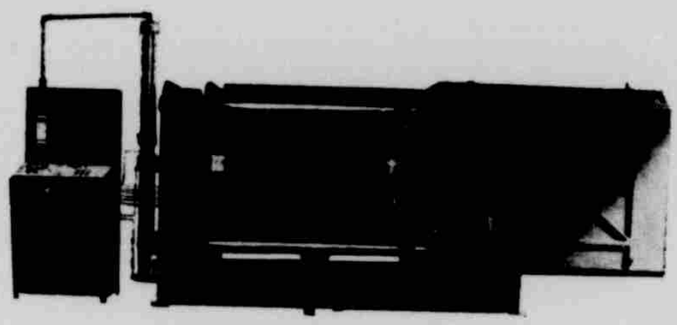
Nathaniel R. Elliott, Jr., was elected President of Polyrez. Following a position in Production and Sales, Mr. Elliott was appointed Executive Vice President of the company, a post he has held for the past seven years.

SURVEYER, NENNIGER & CHENEVERT INC.

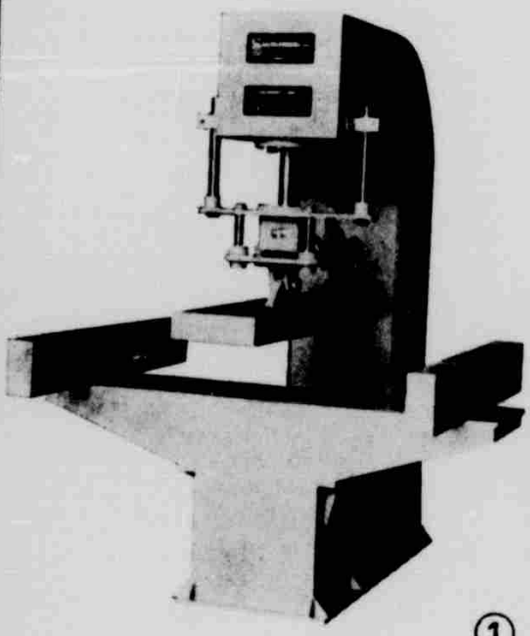
Gaetan Lavallée was appointed Vice President of the Mining and Metallurgy Division. He joined SNC in 1962, has been manager of this sector of the company since 1964 and has directed a great variety of studies and projects in Canada and in other countries around the world.

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 44 of 52
Published by AsbestosClaims.Law
asbestosclaims.law/library/12657/44

① Bending and crushing test press for sheet and pipes



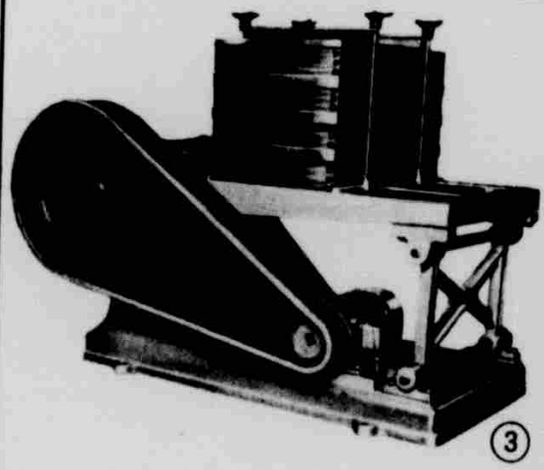
②



①

② Bursting test press for pipes

③ Classifier for testing asbestos fibres



③

Asbestos-cement testing machines designed and manufactured by:

SALVANESCHI S. p. A.

VIA ROMA, 27-27043 BRONI (PV) ITALY - TELEF. 51.024

NEW ASBESTOS PATENTS

U.S. patents may be purchased from The Commissioner of Patents, Washington, D.C. 20231, at a cost of 50c each. Photoprints of non-U.S. patents may be purchased from the same source at a cost of 30c per page. Remittance should be in coin, currency or check and the number of the patent, name of the inventor and date of issue should be shown.

British 2,244,779—A dry mix for forming clay-free well drilling fluids comprises ground gilsonite, asbestos floats, flaxseed gum and a preservative; the resulting drilling fluid is useful in wells drilled through salt or sloughing shale; assigned to Pan American Petroleum Company, September 2, 1971; 20 pages.

British 1,246,844—Method and apparatus for beneficiating asbestos ore or other nonmetallic or metallic ore having a magnetic component; the magnetic property of each ore piece is detected and those of optimum properties sorted automatically; J. F. Hutter & L. Kelly; assigned to Sphere Investments Ltd., September 22, 1971; 12 pages.

Canadian 879,143—A refractory ramming mix showing high resistance to abrasion and high temperatures comprises about 60 parts by weight of tabular alumina, 28 parts of calcined alumina, 5 parts of kyanite, 3 parts of kaolin, 0.1 part of asbestos and 4 parts each of water and phosphoric acid; P. V. Salazar; assigned to Nalco Chemical Company, August 24, 1971; 19 pages.

Canadian 881,600—Thermoplastic electrical connectors, automobile parts or the like are formed from a mixture of (1) asbestos and/or talc, (2) a solid, crystalline polyolefin, and (3) a stabilizer system to improve the heat and oxidative stability of the polyolefin; P. J. Marinaccio; assigned to Rexall Drug & Chemical Company, September 21, 1971; 32 pages.

Canadian 882,004—Friction elements having increased wear life are formed from a mixture of 15% by weight of low-magnetite asbestos having not more than 1% of minus 320-mesh magnetite fines and 85% of a heat hardenable binder; friction modifying and augmenting agents are added as needed; W. R. Jensen & J. F. Orzechowski; assigned to Raybestos-Manhattan, Inc., September 28, 1971; 10 pages.

U.S. 3,607,515—In the production of a corrosion-resistant pipeline, asbestos felt is coated on the contact side with a coal tar or natural or synthetic resin and the coated felt wrapped around piping coated with hot enamel; W. L. Pennie; assigned to Allied Chemical Corporation, September 21, 1971; 4 pages.

U.S. 3,608,294—In the formation of asbestos yarn, the dispersion of asbestos is moved along a coagulant-coated conveyor, the coagulated material separated as a film and the film passed through a twisting machine to produce yarn; W. K. Donaldson, W. Wilek & H. Fetzer; September 28, 1971; 11 pages.

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 46 of 52
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CALENDAR OF EVENTS

Asbestos Textile Institute—General Meeting; Mills Hyatt House, Charleston, South Carolina; *February 2-3.*

National Roofing Contractors Association—85th Annual Convention; International Hotel, Las Vegas, Nevada; *February 7-11.*

Environmental Answers for the Aggregate Producing Industries—University of Wisconsin Extension, Milwaukee, Wisconsin; *February 10-11.*

Packaging Machinery Manufacturers Institute—Spring Meeting: Acapulco, Mexico, *February 7-12;* continued in Mexico City in conjunction with the opening of the U.S. Trade Center, *February 12-15.*

ASTM Committee Week—including Committees C-4 on Clay Pipe and E-7 on Nondestructive Testing; Riviera Hyatt House, Atlanta, Georgia; *February 13-18.*

Association of Asphalt Paving Technologists—47th Annual Meeting; Sheraton-Cleveland Hotel, Cleveland, Ohio; *February 14-16.*

Fluid Sealing Association—General Meeting; Regency Hyatt House, Atlanta, Georgia; *February 17-18.*

Canadian Roofing Contractors Association—13th Annual National Convention and Trade Show; Nova Scotian Hotel, Halifax, Nova Scotia; *February 21-25.*

ASTM Committee Week—including Committee D-9 on Electrical Insulating Materials; Shoreham Hotel, Washington, D. C.; *March 5-10.*

The Package: Specifying, Buying, Supplying—a new part of the Practical Package Development Series; The Wisconsin Center, Madison, Wisconsin; *March 7-8.*

ASTM Committee C-16 on Thermal and Cryogenic Insulating Materials—Grand Hotel, Point Clear, Alabama; *March 12-15.*

Pollution Control Equipment and Instrumentation Exhibit—Frankfurt Trade Center, Frankfurt, Germany; *March 20-24.*

Building Products and Construction Equipment Exhibit—U.S. Trade Center for Scandinavia; *March 20-25.*

Instrument Society of America Conference—Coliseum, New York City, October 9-12; papers are invited on significant current advances and key contributions in all major sectors of instrumentation and automatic control; deadline for submission of abstracts is *March 27.*

10th International Symposium on the Application of Computer Methods in the Mineral Industry—organized by the South African Institute of Mining and Metallurgy; Wanderers Club, Johannesburg, South Africa; *April 9-14.*

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 48 of 52
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asbestosclaims.law/library/12657/48

The Greeks didn't have a word for it.

The ancient Greeks called asbestos 'unquenchable'. Not, perhaps, the most apt of descriptions. 'Incomparable' might have been better.

Strangely enough, they don't seem to have had a single all-embracing word for 'one of the leading producers of asbestos textiles in the world who know their subject inside out and who are ready at the drop of a hint to advise on any aspect of asbestos in any of its many applications'.

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Remember When?

(January 1922 ASBESTOS)

This issue featured a biographical sketch of The Hon. George R. Smith, Manager for many years of the Bell Asbestos Mines (then owned by the Keasbey & Mattison Company). Aside from his outstanding accomplishments as a mine operator, Mr. Smith had represented the County of Megantic in the Quebec Legislature for three successive terms and in 1911 was called to the Legislative Council for Victoria.

W. G. Ross and J. W. Cook resigned as Directors of Black Lake Asbestos & Chrome Company, Ltd., and were replaced by A. E. Francis and Edward Ansen, resulting in Jacob A. Jacobs obtaining complete control of the company since both of these gentlemen belonged to the Jacobs group.

Note was made of the fact that the Victor Manufacturing & Gasket Company of Chicago was one of the largest users of asbestos millboard in the U.S.A. having consumed 65 carloads in 1920 and about 45 carloads in 1921 despite the general depression in business in the latter year.

The Cape Asbestos Company reported it had been forced to considerably reduce the output of Blue asbestos from its mines in South Africa due to generally unfavorable business conditions.

The Asbestos Materials Corporation was reported to be installing machinery at its new plant at Millington, New Jersey, to prepare for the manufacture of a complete line of asbestos textiles and packings.

Next Issue—Textile History of Allbestos & Fiber and Metal Products (Emsco)

Asbestos Magazine, 1972, January 1972
ACL Doc 12657 · Page 50 of 52
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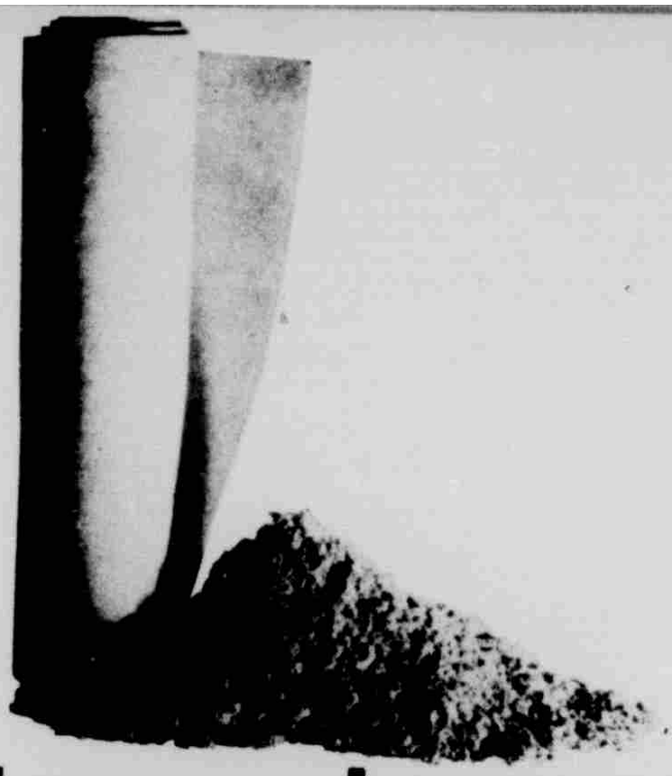
Dept. ASB-1-72, Carey-Canadian Asbestos,
Division of Panacon Corp.,
P.C. Box 15070, Cincinnati, Ohio 45215.

CAREY.

Warehouse stocks at:

Atlanta, Thompson-Hayward Chem. Co.
Baltimore, A. B. Kohl Sales Co.
Birmingham, Thompson-Hayward Chem. Co.
Brooklyn, Smith Chem. & Color Co.
Buffalo, Commercial Chemicals, Inc.
Chicago, Chicago Firebrick Co.
Cleveland, Donald McKay Smith, Inc.
Dallas, Thompson-Hayward Chem. Co.
Davenport, Iowa,
Thompson-Hayward Chem. Co.
Denver, Plateau Supply Co.
Des Moines, Thompson-Hayward Chem. Co.
Detroit, A. E. Fleming Co.
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Houston, Thompson-Hayward Chem. Co.
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Little Rock, Thompson-Hayward Chem. Co.
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Minneapolis, Thompson-Hayward Chem. Co.
Mobile, Thompson-Hayward Chem. Co.
Montgomery, Ala.,
Thompson-Hayward Chem. Co.
Nashville, Thompson-Hayward Chem. Co.
New Orleans,
Thompson-Hayward Chem. Co.
Oklahoma City,
Thompson-Hayward Chem. Co.
Omaha, Thompson-Hayward Chem. Co.
Philadelphia, George A. Rowley & Co., Inc.
Pittsburgh, McCann-Shields Paint Co.
Portland, Durkin Chemicals, Inc.
Seattle, Durkin Chemicals, Inc.
Shreveport, Thompson-Hayward Chem. Co.
St. Louis, Thompson-Hayward Chem. Co.
San Francisco, E. S. Browning Co.
Tampa, Thompson-Hayward Chem. Co.
Trenton, N. J., H. M. Royal, Inc.
Tulsa, Thompson-Hayward Chem. Co.
Wichita, Thompson-Hayward Chem. Co.
Winchester, Mass., W. D. Egleston Co., Inc.

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Two good starts...

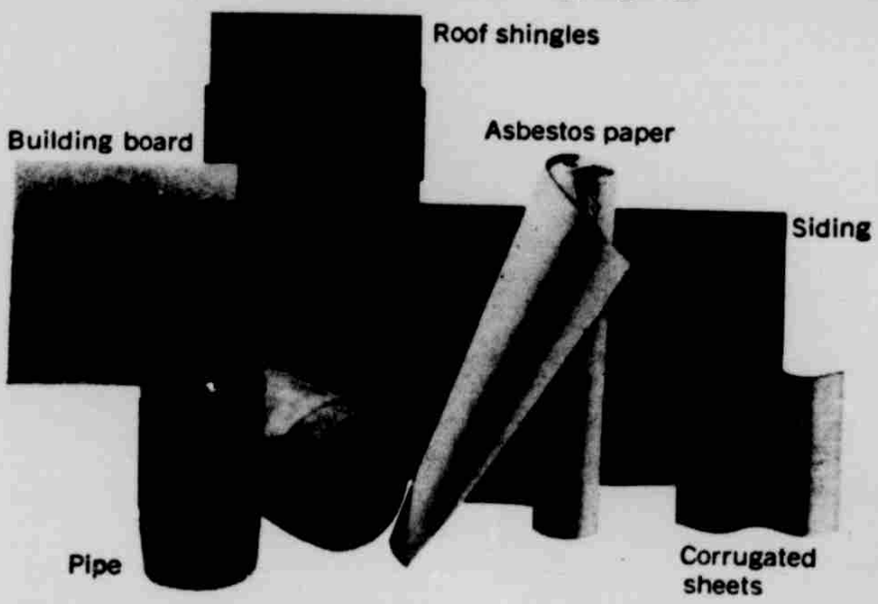
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And asbestos fiber is only part of our story. If you make asbestos-cement products, get another head start with Drylon synthetic felt. It drains better, stays clean and keeps its shape longer, and imparts a smoother, more uniform finish to your product.

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