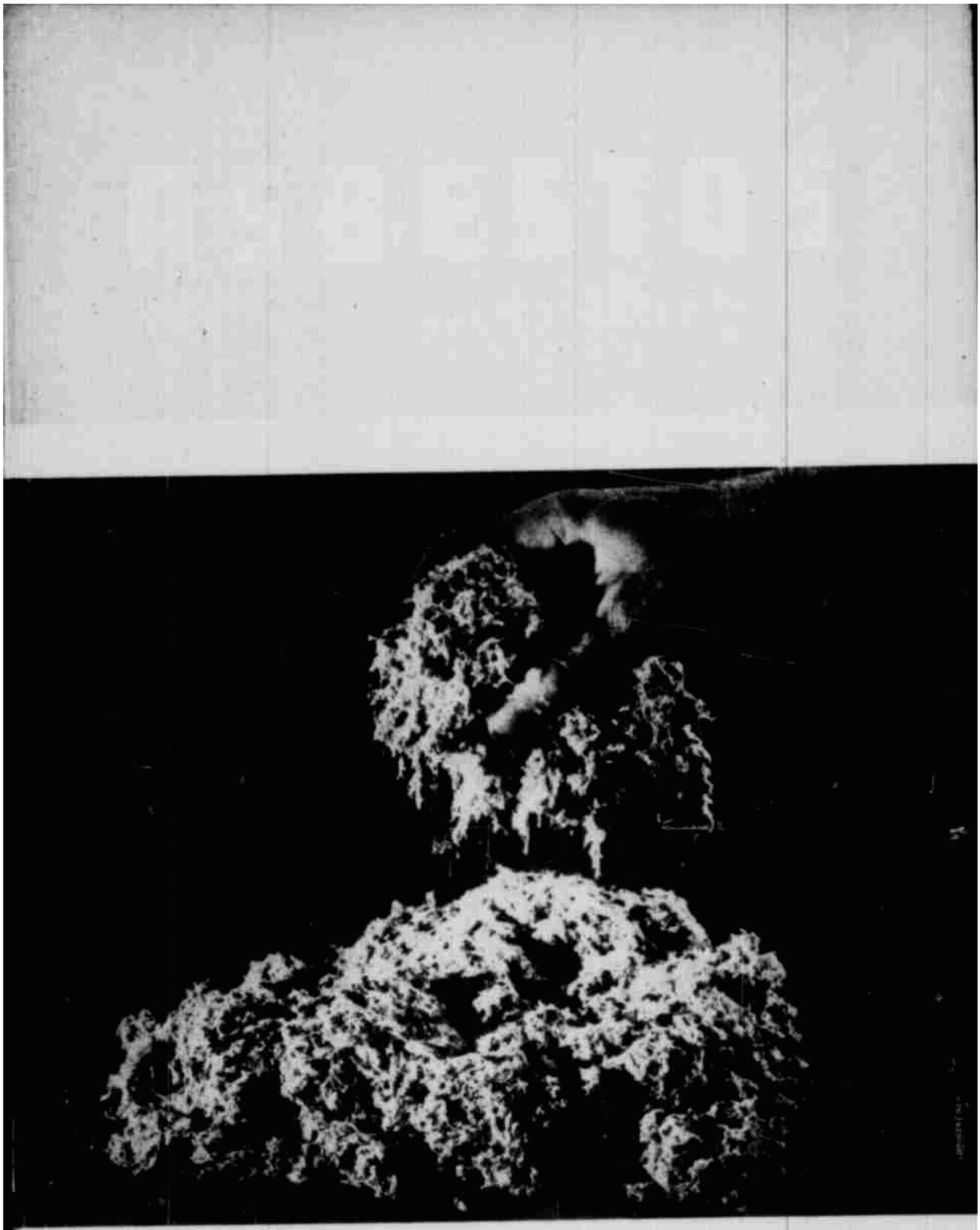


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ASSOCIATIONS

Asbestos Contractors Boston Association

The annual meeting of the Asbestos Contractors Boston Association was held at the Hotel Madison, Wednesday, January 6th, 1965. The nominating committee again submitted the names of the present incumbents, who were unanimously re-elected: President—Theodore H. Brodie, New England Insulation Company and Secretary-Treasurer—Albert L. Sargent, Eastern Refractories Company, Inc.

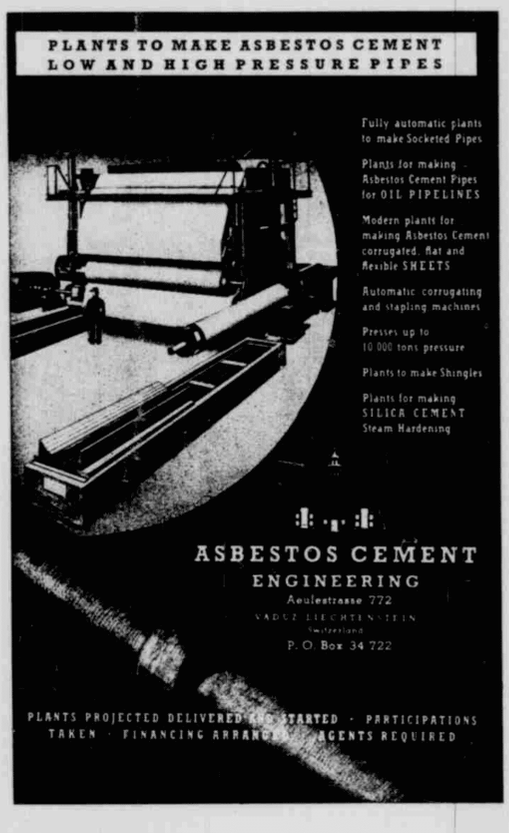
The year 1964 presented the usual problems to management but most of these were resolved and the industry as a whole enjoyed a fairly satisfactory year.

One development of interest was the preparation of an Insulation Manual and Specification by the Standards Committee under the able direction of Bill Hinman of Hinman Asbestos Company. Considerable time was spent by the committee, including several meetings with groups of specifying Engineers and Consultants, to develop a set of standard insulation specifications which would be of equal value and benefit to all asbestos contractors, as well as engineers and owners. It is hoped to have this manual printed and published as a Regional Project of the Northeastern Insulation Contractors Association.

1964 also witnessed the first full year's operation of the new Apprenticeship Training Program which has State support and guidance by Division of Apprentice Training, Department of Labor and Industries. After the usual problems and growing pains anticipated in any new program, the related classroom instruction is now proceeding smoothly under the supervision of a Joint Apprenticeship Committee.

The industry should be assured of better trained and better qualified mechanics as this apprenticeship training program develops.

The labor agreement between Asbestos Contractors Boston Association and Asbestos Workers Local No. 6 of Boston expired August 31st, 1964. Members of the employer negotiating committee were: John J. Roper, Armstrong Contracting & Supply Company; Theodore H.



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Brodie, New England Insulation Company; and, William A. Slade, Jr., P. S. Thorsen Company. Local 6 Union members of the negotiating committee were Russell W. Bowers, Louis C. Gortz and Herbert G. Anderson. After a brief work stoppage, a satisfactory agreement was finally consummated covering a two-year period and a harmonious labor-management relationship can be looked forward to for the next two years.

Asbestos Textile Institute

The Asbestos Textile Institute during 1964 continued to serve the members of the industry through its committee activities and projects designed to develop and extend the applications and performance capabilities of asbestos textile products, and to distribute information leading to their wider use in industry.

The General Meetings of the Institute, which were held in February, June and October, provided an opportunity for representatives of this important industry to engage in discussions concerned with the improvement in products, the writing of specifications governing same, and the solution of problems common to all members.

The Asbestos Textile Institute, founded in 1944, begins its 21st year of continuous service to the industry in 1965. At the annual meeting last October 9th, the officers elected to serve for two-year terms were: President—John A. Brown, Jr. of Raybestos-Manhattan, Inc.; Vice President—J. L. Rainey of American Asbestos Textile Corporation; and, Treasurer—E. A. Schuman of Johns-Manville Sales Corporation.

The Institute is under the direction of a Board of Governors consisting of the following representatives of member companies: John A. Brown, Jr.—Raybestos-Manhattan, Inc.; J. L. Rainey—American Asbestos Textile Corporation; J. T. Griffis—H. K. Porter Company, Inc.; W. S. Hough—Johns-Manville Sales Corporation; T. C. McCluskey—Tallman-McCluskey Fabrics Company; and, S. J. Peele, Jr.—United States Rubber Company.

The Executive Secretary and Assistant Treasurer is H. E. Sunbury, who may be reached at the Institute's

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office located at 75 Center Street, Pompton Lakes, New Jersey.

In addition to the membership represented on the Board of Governors, the following companies actively support of the work of the Institute: Asbestos Corporation Limited; Bell Asbestos Mines Limited; Cassiar Asbestos Corporation Limited; Lake Asbestos of Quebec Limited; British Belting & Asbestos Limited; The Cape Asbestos Company Limited; English Asbestos Company Limited; Turner Brothers Asbestos Company Limited; and, the Societe Anonyme Francaise Du Ferodo.

During the company year, as in the past, much of the most valuable work of the Institute is carried out by the four active committees, each of which is concerned with a different segment of the industry.

The Air Hygiene & Manufacturing Committee, under the Chairmanship of L. C. Williams of Raybestos-Manhattan, Inc., studies possible improvements in manufacturing methods, and working conditions throughout the industry as they reflect upon air hygiene and safety conditions.

The Technical Committee, under the Chairmanship of William Maaskant of American Asbestos Textile Corporation, concerns itself with the providing of technical information to members, Federal Agencies, ASTM, and others who may be interested in preparing specifications for asbestos textile products.

The Fiber Testing Committee, under the Chairmanship of Irvin Barnett of Johns-Manville Corporation, will continue to review and prepare for publication those test methods and techniques that may be adapted to the evaluation of asbestos fiber characteristics and properties. It is anticipated that the "Manual of Testing Procedures for Chrysotile Asbestos-Fibre", a 170-page book first published in 1962, will be ready for a second printing, with revisions and additions, in the near future.

The Sales Promotion Committee, under the Chairmanship of J. W. Christenbury of American Asbestos Textile Corporation, has as its primary objectives the promotion of wider uses for asbestos textiles, education of the public to the nature and value of asbestos textiles, and constructive methods of merchandising the products of the industry.

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The Handbook of Asbestos Textiles, 2nd edition, has been in such demand that a third printing will soon be necessary. This is believed to be the most authoritative source of information on asbestos textiles yet published. This committee also has a large, well lighted, four section exhibit of asbestos textiles and their uses, that is placed on view in universities, museums and engineering institutions. Valued at more than $5,000.00, it is available to approved exhibitors, and applications should be addressed to the Executive Secretary.

In June 1964 the Air Hygiene and Manufacturing Committee published a most valuable pamphlet entitled "Methods of Determining Asbestos Dust Concentration", and this has attracted considerable interest throughout the world wherever asbestos fibers are handled or manufactured. This, too, is available by writing the Secretary.

The Institute, through the participation of its members in the activities of these various committees, has been able to provide industry with an ever-increasing fund of knowledge regarding asbestos textiles and their capabilities. In this, its 21st year, the work of accumulating knowledge of, and the spreading of information about asbestos textiles, will be pursued by the Institute with increased vigor.

Insulation Distributor-Contractors National Association, Inc.

The Ninth Annual National Meeting of IDCNA, which was held at the Fairmont Hotel, San Francisco, California, October 25th through 29th, 1964, was the finest meeting in the history of the association. New officers elected to serve during 1965 and 1966 are: President—Dillard Breeding, Nashville, Tennessee; Vice President—J. Kenneth Dixon, Houston, Texas; Vice President—A. Marvin Gibbons, Washington, D.C.; Secretary—Conrad L. Wiegers, Charleston, West Virginia; and, Treasurer—E. Raymond Ashmore, Jr., Philadelphia, Pennsylvania.

The Tenth Annual National Meeting will be held at the Waldorf-Astoria Hotel in New York City, October 10th through 15th, 1965.

IDCNA is now composed of insulation contractors affiliated through the following regional associations: MAICA (Middle Atlantic Insulation Contractors Associa-

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tion); AACSS (The Southeast Regional Association); CSICA (Central States Insulation Contractors Association); MICA (Midwest Insulation Contractors Association); and, SWICA (Southwest Insulation Contractors Association). These regional associations, plus a few at-large contractor-members, finance and manage IDCNA. Two other regional associations are expected to affiliate in 1965.

The national office of IDCNA is located at 1425 Chestnut Street, Philadelphia, Pennsylvania 19102 (LOcust 3-9088) under the supervision of Ellwood F. Jones, Executive Secretary.

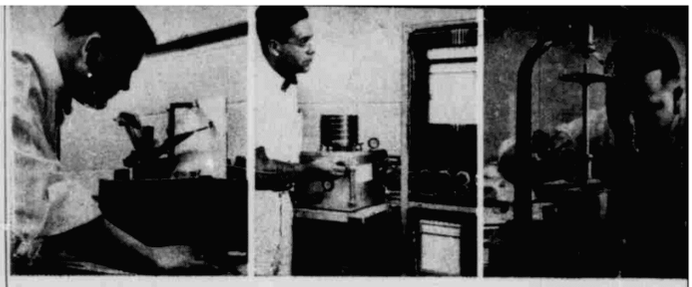
Mineral Fiber Products Bureau

Mineral Fiber Products Bureau was adopted as the name of the former Asbestos-Cement Products Association on June 1st, 1964. Faced with many industry problems, the members recognized 1964 as a year of decision. An analysis of the Association's organization and programs resulted in recommendations for sweeping changes. G. R. Munger was named Managing Director on January 1st, 1964. At the annual meeting in March 1964, many of the recommended changes were implemented.

A new Constitution and By-Laws was adopted. A new committee organization was put into effect. F. E. Dutcher, of Johns-Manville Corporation was elected President and Chairman of the Executive Committee. Other members of this committee are: H. G. Miekelsen of Atlantic Asphalt & Asbestos, Inc.; J. D. Moran of The Flintkote Company; J. W. Brown of National Gypsum Company; and, F. K. Sweeney of The Ruberoid Co.

A. H. Fay of National Gypsum Company was elected Vice President and Chairman of the Board of Directors. Other Board members are J. H. Davies of Atlantic Asphalt & Asbestos, Inc., T. J. McDonald of The Flintkote Company, M. F. MacDonald of Johns-Manville Corporation, and J. G. Hall of The Ruberoid Co. T. J. McDonald of The Flintkote Company was elected Treasurer.

Six committees were established. Corrugated and Panel —Chairman, W. M. Gooden of Johns-Manville Corporation and members, H. W. Youngquist of National Gypsum Com-



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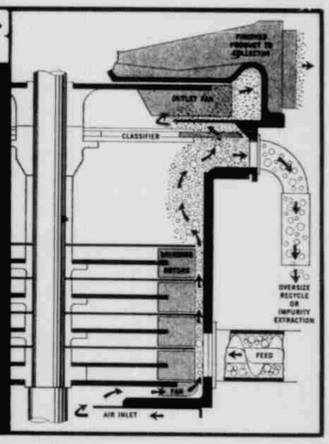
pany and H. B. Hutten of The Ruberoid Co. Manufacturing—Chairman, P. L. Earle of Johns-Manville Corporation and members, E. S. Petersen of Atlantic Asphalt & Asbestos, Inc., H. S. Jobbins of The Flintkote Company, G. P. Reilly of National Gypsum Company, and H. R. Kuhlken of The Ruberoid Co. Promotion—Chairman until last December, R. A. White of The Ruberoid Co., present Chairman, R. Zale of National Gypsum Company and members, R. J. Mulligan of The Flintkote Company, F. F. Guyott of Johns-Manville Corporation, replaced by A. H. Jenssen of Johns-Manville Corporation last December, and E. Grosse of National Gypsum Company. Sales Engineering—Chairman, C. H. Stillman of Johns-Manville Corporation, and members, J. H. Davies of Atlantic Asphalt & Asbestos, Inc., R. J. Mulligan of The Flintkote Company, R. E. Ogden of National Gypsum Company, and W. C. O'Brien of The Ruberoid Co. Technical—Chairman, until he left the committee in October, R. S. Miller of The Ruberoid Co., present Chairman, C. I. Read of Atlantic Asphalt & Asbestos, Inc., and members, M. C. Armstrong of The Flintkote Company, C V. French of Johns-Manville Corporation, L. L. Roberts of The Ruberoid Co., and W. A. Heausler replaced by R. M. Johnson of National Gypsum Company in December. Traffic—Chairman, D. M. Akers of National Gypsum Company, and members, R. D. Johnson of The Flintkote Company, A. J. Wallner of Johns-Manville Corporation, and G. A. Erath of The Ruberoid Co.

A survey of field salesmen helped direct the extensive promotion program undertaken by the Bureau. In part, this has consisted of a monthly News and Review sent to all salesmen. The first "Hat's-Off" salesmen contest winner was Oliver O'Riordan of Johns-Manville Corporation in October. Subsequent winners have been Robert Stahle of National Gypsum Company and William Hammond of The Ruberoid Co. Several trade publication and newspaper articles on the new mineral fiber products have appeared. An attractive, informative consumer brochure on new Mineral Fiber Siding has been widely distributed.

The Mineral Fiber Roofing Manual has been extensively revised and several revisions to ASTM and Federal Specifications have been agreed upon.

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Close cooperation with the U. S. Savings and Loan League has resulted in four sections on mineral fiber products in their Construction Lending Guide. This will be published early this year.

The Bureau moved into new offices in January. These expanded and modernized facilities are located in the same building at 509 Madison Avenue, New York, New York 10022.

Major emphasis in 1965 will be placed on an expanded industry promotion program and the preparation of a Design Engineering Manual on asbestos-cement canal bulkhead.

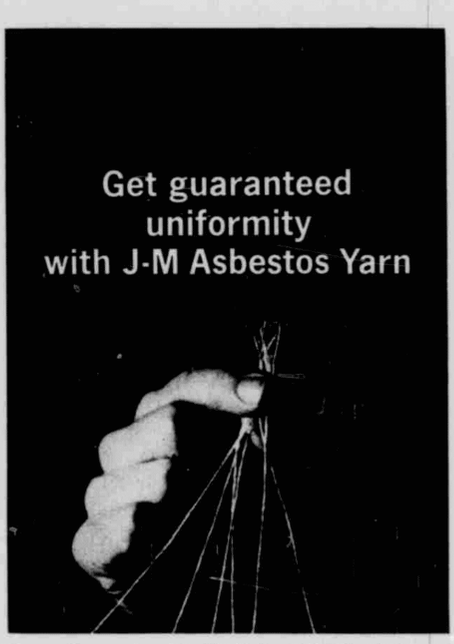
National Insulation Manufacturers Association

During 1964, NIMA continued to serve its membership through its various Committees. Particularly active were the Technical, Traffic, Marketing Research, and the Duct Systems Committees.

General meetings of the Association were held in April and October, 1964.

P. D. Kaley of the Pittsburgh Plate Glass Company was elected as President and Chairman of the Board of NIMA at the Annual Meeting on October 5th, 1964, at the Seaview Country Club, Absecon, New Jersey. M. M. Wilson of Baldwin-Ehret-Hill, Inc. was elected Vice President, and R. W. Henry of The Ruberoid Co. was named Treasurer. J. M. Barnhart continues as Executive Secretary.

The eleven member companies of the association manufacture thermal insulation for industrial or commercial use. Directors are: M. W. Burleson, Johns-Manville Sales Corporation; R. E. Buckley, Pittsburgh Corning Corporation; J. P. Harrington, The Eagle-Picher Company; P. D. Kaley, Pittsburgh Plate Glass Company; T. S. Clousing, Forty-Eight Insulations, Inc.; H. B. Hutten, The Ruberoid Co.; D. M. Nelson, Fibreboard Paper Products Corporation; N. L. Morell of N. L. Morell; F. W. Muller, Gustin-Bacon Manufacturing Company; J. F. Vyverberg, Owens-Corning Fiberglas Corporation; and, M. M. Wilson, Baldwin-Ehret-Hill, Inc.



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Southwest Insulation Contractors Association

The membership of SWICA continues to show some enthusiastic growth with an appreciable increase in membership, as well as associate members during the year 1964.

The Spring meeting of SWICA was held at Corpus Christi at the Driscoll Hotel on May 14th through 16th, 1964, with the main subject of talks centered around labor, negotiations, and legislation. The membership of SWICA voted at this meeting to render financial assistance to any local association of the southwest or individual contractor of the southwest, who might be unfortunate enough to be engaged in legal difficulty with the union.

The Fall meeting was held October 1st and 2nd, 1964, at the Marriott Motor Hotel in Dallas, Texas. The slate of officers and Board of Directors of SWICA remain the same this year as the previous year.

The 1965 Spring meeting is scheduled to be held in Hot Springs, Arkansas, in May.

Thermal Insulation Society, Charleston Chapter

The Charleston Chapter of The Thermal Insulation Society holds its regular meetings the fourth Tuesday of each month, September through May, with the exception of December. Meetings are held at Vesuvio Restaurant in Charleston, West Virginia.

The officers for 1964-1965 are: President — W. F. Wilkes; Vice President — R. E. Estep; Secretary — E. Palmer; and, Treasurer — S. E. Vandevender.

Speakers and topics for the 1964 season were as follows:

January—Expansion and Contraction of Pipe and Vessels and Its Effect on Insulations and Weather Barriers, by M. U. Dorsey, Union Carbide Corporation, Olefins Division.

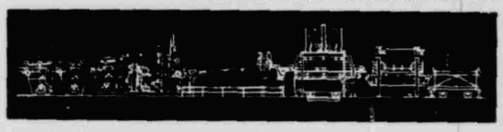
February—Stainless Steel Used as Insulation Jacket, by Robert Colpitts, United States Steel Company.

March—Development of New Weather Barriers for Protection of Insulation, by Dr. A. J. Hoiberg, The Flintkote Company.

April—Engineering of Cellular Rubber Insulation, by John Geary, Jr. and G. A. Larch, Armstrong Cork Co.

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May—Pipe Slide Supports, by N. E. Johnson, Union Carbide Corporation, Carbon Products Division.

September—Electric Heat Tracing, by Paul L. Schmidt, Electro-Trace Company.

October—Determination of Insulation Thickness to Prevent Condensation, by W. C. Turner, Union Carbide Corporation, Olefins Division.

November—Social Meeting, Dinner and Dance.

Thermal Insulation Society, Philadelphia Chapter

Following were the activities of the Philadelphia Chapter of the Thermal Insulation Society for 1964:

January—Ellwood F. Jones, Executive Secretary of the Insulation Distributor-Contractors National Association ,Inc., gave a very enlightening talk on IDCNA's activities.

February—William C. Turner, Staff Engineer for Union Carbide Chemical Corporation, spoke on Thermal Insulation specifications. This was a most enlightening talk.

March—Andrew Haas, Vice President of the International Association of Heat and Frost Insulators and Asbestos Workers, spoke concerning problems in the industry.

April—A most interesting visit was made to Johns-Manville's Thermobestos Plant in Manville, New Jersey.

May—Annual golf outing at the Whitemarsh Valley Country Club and election of officers following a dinner. Elected for the 1964-1965 season were: President—Stanley Hudyma; First Vice President—Thomas E. Lee; Second Vice President—Donald E. Davis; Secretary—W. McCormick; and, Treasurer—Frank Kane.

October—Ivan H. (Cy) Peterman, a noted world-traveler and author, spoke on "World Problems and the Present Political Outlook".

November—The Gray Company sponsored a meeting at their factory-branch-office and demonstrated the airless system for coatings and adhesives.

December — Annual Christmas Party at the Latin Casino. The entertainer for the evening was Miss Ella Fitzgerald.

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Quebec Asbestos Mining Association

At the recent annual meeting of the Quebec Asbestos Mining Association, the following officers were re-elected for the ensuing year: President—M. J. Messel; Vice President—E. A. Boadway; Vice President—J. O. Eby; and, Directors—R. S. Coleman, K. V. Lindell, J. A. Main, P. A. Meyer, A. L. Penhale, and George W. Smith.

Eight companies are members of the Association: Asbestos Corporation Limited; Bell Asbestos Mines Limited; Canadian Johns-Manville Company Limited; Carey-Canadian Mines Limited; Flintkote Mines Limited; Lake Asbestos of Quebec Limited; National Asbestos Mines Limited; and, Nicolet Asbestos Mines Limited.

NORDISKA MASKINFILT AKTIEBOLAGET, located on the River Nissan in Halmstad, Sweden, has issued a most informative and illustrative brochure entitled "Welcome to Nordiskafilt", which takes the reader on a behind-the-scenes tour, shows something of the work of the company, and describes the various operations and processes that go into the manufacture of papermakers felts and other industrial textiles. Among its specialized products, Nordiskafilt manufactures woven and needled asbestos-cement shingle, pipe and corrugating felts.

"ASBESTOS" will be glad to lend its copy to interested readers.

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Chicago 6, Ill.

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Toronto, Ontario

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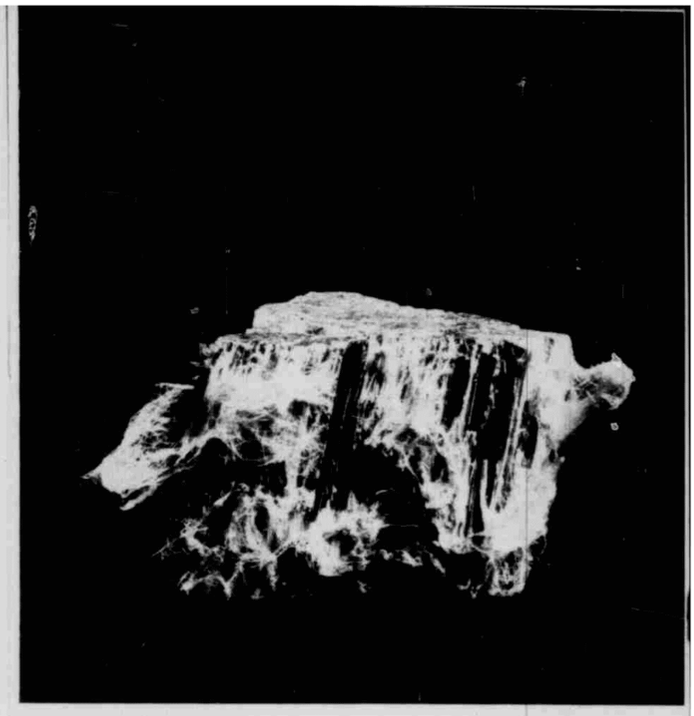
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ASBESTOS CORPORATION LIMITED ASBESTOS
Thetford Mines, Quebec

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Saskatchewan Survey

A plant for the manufacture of asbestos-cement pipe could be one more cog in the growing industrial might of Saskatchewan, Canada. This fact was indicated by a recent survey carried out as a joint project of the provincial government and various interested groups in private business. One facet of the government's comprehensive drive to industralize this province is investigation of opportunities available for development of specific industries. Initiated as part of that investigation, the survey revealed that with regard to market, raw materials and distribution, there is a good basis for establishment of an asbestos-cement pipe plant in Saskatchenwan.

There is an established market in the prairie provinces for such pipe, but all of it used in Saskatchewan is brought in from Ontario or Quebec. There is also a potential export market in North and South Dakota and Montana.

Basic constituents of asbestos-cement pipe are cement, asbestos and silica. One of Saskatchewan's most plentiful resources is clay, an important ingredient in cement. There would be no problem in obtaining this major component locally since Regina has one cement plant and another under construction near Saskatoon. Asbestos would have to be brought into the province, but shipping costs would be mucir lower than for finished pipe. Initially, silica would be imported from Manitoba. However, Saskatchewan has extensive, high-grade deposits of silica sand which have not been developed due to lack of a local market. Establishment of an asbestos-cement plant could lead to exploitation of yet another provincial resource.

THE STORY OF ASBESTOS AND JOHNS-MANVILLE is an extremely interesting and informative 8-page brochure published by Canadian Johns-Manville Company Limited. It describes and gives a little history of asbestos and relates how asbestos was discovered in Quebec and how a man with a vision was the beginning of Johns-Manville.

"ASBESTOS" will be glad to lend its copy to interested readers.

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The Flintkote Company of Canada Ltd.
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C. V. Smith—Deceased

Charles Vernon (C. V.) Smith, a pioneer figure in Quebec's asbestos mining industry, died January 1st, 1965, at the age of 89.

Mr. Smith had retired from industry for health reasons in 1953 but remained active by developing an asbestos separator which was placed on the market.

He was born in Cape May County, New Jersey, graduated from Rutger's University in 1898, and went to Canada in 1910 as an engineer. He became Chief Engineer of Asbestos Corporation Limited at Thetford Mines and held that post until he went into consulting practice in 1931. Mr. Smith traveled to Venezuela and Russia when asbestos mining was in its early stages of development there and later joined Johnson's Asbestos Company in Thetford Mines, where he remained until retirement.

He was also associated with construction of New York's Holland Tunnel. This was his first professional assignment after leaving Rutger's.

R/M US-98—A rugged and versatile Raybestos-Manhattan friction material, which first proved its worth to the Clinton Engines Corporation of Maquoketa, Iowa, in clutch facings for Clinton chain saws, is proving to be equally valuable as the lining of a new brake developed by Clinton for its rotary lawnmower engines. R/M recommended a brass wire-inserted, woven asbestos lining, designated US-98, which was originally developed for medium duty automotive applications. This material has a coefficient of friction of .50 dry, or .12 in oil. For the new mower brake, R/M supplied samples in thicknesses of 5/32 inches, and Clinton riveted these to brake bands and put the new brake and material into a series of exacting endurance tests at the Clinton laboratory and in the field. The tests were equal to five years of operation and showed that the device was a trouble-free design and that neither the aluminum drum nor the brake lining suffered any damaging wear. The R/M material worked consistently well throughout the tests.

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Producers of Soft, Low Iron, White Chrysotile Crudes and Filter Fibre

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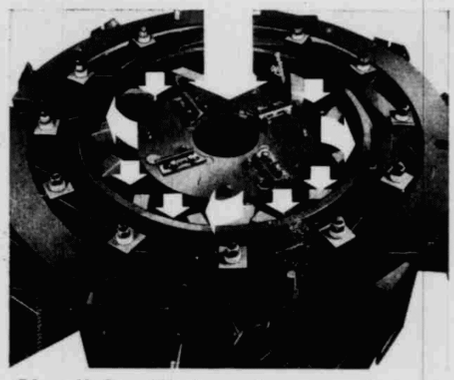
AUTOMOBILE SALES — The Automobile Manufacturers Association has issued the following statistics of motor vehicle factory sales from plants in the United States for OCTOBER and NOVEMBER 1964: October — passenger cars 411,487, trucks and buses 80,333, total was 491,820 compared to 945,671 in October 1963; November—passenger cars 679,178, trucks and buses 114,928, total was 794,106 compared to 873,261 in November 1963. Total motor vehicles for the first eleven months of 1964 amounted to 8,260,901 compared to 8,218,611 for the same period last year .

CORRECTION to article entitled "Canada: World's Sixth Trader" (November 1964 "ASBESTOS", page 2). The author incorrectly says "A South African type of asbestos—amosite—is imported to be used in filters by breweries and wine producers. An Australian variety—blue asbestos—is completely iron-free and finds its way into certain forms of insulation, where it will not cause rust by metal-to-metal contact".

Amosite asbestos has many uses as a component of heat insulation and structural materials. It is seldom, if ever, used as a component of filtration materials for the brewery or wine industries.

Blue asbestos (Crocidolite) is found in South Africa, Australia and Bolivia. It has extensive uses in the manufacture of asbestos-cement products, but it is not "iron-free"—it is an iron silicate mineral and has no special rust resistant properties.

CORRECTION—The Dominion Bureau of Statistics, Ottawa, Canada, has issued a correction to its Catalog No. 26-202, "*Canada's Mineral Production—1964* (preliminary estimate)". This estimate was published in January 1965 "ASBESTOS" on page 17 and should be changed as follows: total value of shipments of Canada's mineral industry amounted to *$3,438 billion*, not $3,455 million, and non-metallic minerals increased in value to exceed *$286 million*, not $287 million.



Simplicity fibrizes longer, cleaner fibres faster with far fewer fines

Simplicity's D'centegrator fibrizes so thoroughly that the longer fibres are not "dirtied". The break-up action is pictured above schematically (our asbestos fibrizers actually have 12 bars). On-the-job performance also indicates a higher recovery rate and lower percent of fines. Both lower initial and maintenance cost make this 60 t.p.h. unit (2" cubical feed) an outstanding producer. Write or call about a test.



Model 24 Asbestos D'centegrator

48

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ENGINEERING COMPANY
Durand 18, Michigan

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EXPORT: BROWN & SITES, 50 Church St., New York 7, N.Y.

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BUILDING—According to F. W. Dodge Company, a division of McGraw-Hill, Inc., total contract value in DECEMBER 1964 amounted to $3,597,802,000, up 5% from December 1963. A breakdown of the total December 1964 figure, with percentage changes from December 1963, is as follows: nonresidential building, $1,298,370,000, up 18%; residential building, $1,305,891,000, down 1%; and, nonbuilding construction, $993,541,000, up 1%.

For the YEAR 1964, total contract value amounted to $47,298,872,000, a 4% gain over the previous year. A breakdown of the total 1964 figure, with percentage changes from 1963, is as follows: nonresidential building, $15,494,653,000, up 8%; residential building, $20,560,662,000, up less than 1%; and nonbuilding construction, $11,243,557,000, up 5%.

J-M TEMP-TITE PRESSURE PIPE is a new pre-insulated, epoxy-resin lined asbestos-cement pipe, developed by *Johns-Manville* and introduced at the 17th International Heating and Air Conditioning Exposition, which considerably simplifies and speeds up the installation of underground distribution systems for handling chilled and low temperature hot water in multi-building complexes. Temp-Tite Pressure Pipe consists of three components factory fabricated into a single system. The core pipe, consisting of epoxy-lined Transite water pipe, is placed inside an epoxy-lined Transite casing pipe. The annular space between the casing and core pipe is then filled with a closed-cell polyurethane foam insulation which not only provides excellent thermal efficiency, but also completely bonds the pipe and casing components together. Pipe lengths are coupled together utilizing the Ring-Tite joint which permits complete thermal expansion and contraction within the joint, thus eliminating the need for loops, expansion joints, and other costly accessories.

Current production facilities limit the availability of Temp-Tite to California, Texas, and the Northeast Coastal area of the United States. National availability is anticipated in late 1965 or early 1966.

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THE PROVEN NEEDLED FELTS FOR A LOWER REJECT RATE

They last longer and start faster . . . thus improving production and reducing felt cost.

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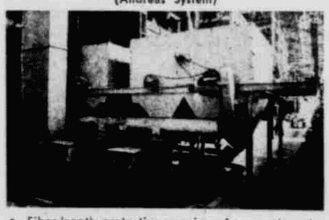
HUYCK FELTS

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THE BUREAU OF STANDARDS, Pretoria, South Africa, is giving priority to the establishment of test methods and laboratory facilities for improving the quality of South African asbestos for export purposes. Although South Africa is the third largest producer of asbestos in the world, no standard grading methods have existed to ensure uniformity of the product. The Bureau has already completed a preliminary investigation and has approached certain organizations for empirical evidence of the efficiency of different grading methods. It also intends to send questionnaires to Commonwealth standards bodies who had invited the Bureau to accept the secretariat of the Commonwealth Committee, and all information received will be referred to a South African national commmittee for consideration. South Africa and the Bureau of Standards were the prime movers in the international standardization of asbestos grading.

J-M TRANSITE—Primary water supply line serving the John F. Kennedy Space Center's Vertical Assembly Building (VAB) at Merritt Island, Florida, was recently installed. The world's largest building, the VAB will be the dominant feature in the 750-million dollar moonport being constructed for the National Aeronautics and Space Administration. Four Saturn V rockets and associated Apollo spacecraft can be checked out simultaneously in an upright position within the structure. 16-inch Transite asbestos-cement pipe is part of over three miles of Johns-Manville pipe installed to supply the VAB and its associated structures. Water will be stored in a 250,000 gallon elevated tank and a million-gallon ground storage tank. Exterior water supply lines are Transite, with internal pipe of steel or copper and water services in the VAB include make-up for air conditioning, domestic hot and cold water supply, and fire sprinklers. The building, its associated structures, and the exterior piping were designed to withstand the tremendous pressure, vibration, and noise of the Apollo-Saturn V rockets being launched from the pads and three miles away.

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for drying pre-crushed asbestos-ores of various moisture-contents with fibre-selecting effect.

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MARKET CONDITIONS

GENERAL BUSINESS.

General business continues quite good. In view of the record length of the present "boom", if we may call it that, some economists are fearful of a let-down in the latter half of this year but almost all expect continued good business for the entire first half year. We are rather inclined to the position that there is a first time for everything, including the length of an upward trending business cycle, and, with our growing population demanding more goods and services, and with certain fiscal controls which were previously non-existent, there is at least a reasonable possibility that the present level of economic activity can be continued well beyond the next five or six months.

ASBESTOS—RAW MATERIAL.

Quebec asbestos fibre shipments for the Industry during December 1964 totalled 134,934 tons, an increase of 47,356 or approximately 54%. The marked increase in December shipments can be largely attributed to the price increase effective January 1, 1965. Total 1964 shipments at 1,280,577 tons exceed those of 1963 by 131,636 tons or 11%.

ASBESTOS—MANUFACTURED GOODS.

Asbestos Textiles. Manufacturers of asbestos textiles approach 1965 with a good order position and with operations being maintained at a high rate. Sales in 1964 exceeded those of 1963 and recent prior years. All indications point toward 1965 being another favorable period with continuing improvement.

Asbestos Brake Lining. The present market situation for this material is good and this condition should continue during the coming months.

Corrugated & Flat. Volume of business for corrugated is tapering off slightly and for flat sheets is holding a steady line. Both markets are expected to start an upward trend shortly which should continue through the balance of the year.

Asbestos Cement Shingles—Roofing & Siding. The market situation at present for these materials is very strong and there is nothing to indicate that this trend will not continue. The sudden onslaught of wintry weather has somewhat interfered with an otherwise surprisingly strong siding market. The outlook for the future is good because a certain switch back to asbestos siding from other siding materials is noticeable in several parts of the country. One- and two-family homes should continue to occupy many homebuilders with a resultant steady demand for asbestos siding.

Asbestos Cement Pipes. This market continues surprisingly strong considering the fact that this is normally the slow season when time is usually devoted to the building of inventory. The future outlook for this market is very favorable and all indications provide confidence that 1965 will be a peak year.

Asbestos Filter Fibre. Demand is still exceeding supply and the mines are continuing to increase production. The outlook for the coming months remains very good.

The above comments have been made by various informed executives in the Industry. All comments are welcome.

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Frank G. Ruggles Co. Inc.
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NEW YORK 6, NEW YORK

PRODUCTION

Canada—The Dominion Bureau of Statistics has issued the following for the month of NOVEMBER 1964 in short tons. Producer's Shipments of asbestos totalled 172,539 (Quebec — 160,544 and Newfoundland, Ontario and British Columbia — 11,995). Total shipments for November 1963 were 148,395.

Southern Rhodesia—The Ministry of Mines and Lands, Salisbury, has issued the following statistics on asbestos. NOVEMBER 1964—Production 13,091.77 short tons, valued at £565,-690.17.07.

Asbestos In 1964 — (Annual Preliminary Estimate) — California surpassed Vermont in production of chrysotile asbestos in 1964, according to the Bureau of Mines, U. S. Department of the Interior. Asbestos production was approximately 100,000 tons, 50% higher than 1963 and a 44% increase in value. Most of the increase in output came from California where there are five producers, with one in Vermont the second largest producing State.

World production of over 3-million tons of asbestos was expected to exceed previous records, with Canada and the U.S.S.R. the largest suppliers. Canada continued to be the leading Free World producer of asbestos with an estimated output in excess of 1.3-million tons in 1964. Gains in Canadian production were mainly Groups 4, 5 and 7. Unconfirmed reports indicate that Russia output now leads Canadian production.

Imports for consumption of all types of asbestos based on reports for the first ten months are estimated to be over 700,000 short tons.

The steady and growing consumption of asbestos points to something more than the normal demand during the past decade. One of the new fields of growing application is the use of asbestos in reinforced plastic products. Building construction products constitute the main outlet for asbestos.

C. STANLEY manufacturers since 1906
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IMPORTS & EXPORTS

Imports Into U.S.A.

(Figures by Bureau of the Census) SEPTEMBER 1964

Unmanufactured Asbestos:	Short Tons
Amosite, Crude—Republic of South Africa	966
Crocidolite (Blue), Crude—Rep. of South Africa	1,868
Chrysotile, Crude—Republic of South Africa	200
Rhodesia & Nyasaland	595
Chrysotile, Spinning Fibres—Canada	1,217
Rhodesia & Nyasaland	5
Chrysotile, Other—Canada	51,207
Rhodesia & Nyasaland	15
Asbestos, Other—Canada	5,342
United Kingdom	100
Finland	55
Rhodesia & Nyasaland	25
Valued at.....$5,932,291	61,595

Manufactured Asbestos Goods:	Pounds	Value
A-C Pipes, Tubes, Fittings	8,955,964	$465,840
Asbestos-Cement Articles, Other	1,891,317	120,174
Asbestos Yarn, Rope, etc. & other	..	36,282
		$622,296

Rhodesia—According to K. A. Vanderplank, Secretary of the Chamber of Mines of Rhodesia, commenting on the prospects for the mining industry in 1965, "The prospects are now better than they have been for the last three or four years. There have been recent indications of improved demand for base minerals in the world markets which may lead to better prices for Rhodesian mineral exports in 1965. Asbestos producers have had a better year than they have had for some time with sales worth an estimated £6.8-million in 1964 compared with £6-million the previous year. Although demand was stronger during 1964 prices were hardly affected, but sales are expected to improve still further in 1965."

BURGDORF K.G.
Importer of Raw Asbestos
P. O. Box 7052, BREMEN, GERMANY

Exports From U.S.A.

(Figures by Bureau of the Census) SEPTEMBER 1964

Unmanufactured Asbestos: Short Tons

Crude & Spinning		Non-Spinning Fibers		Waste & Refuse	
Italy	25	Japan	265	Belgium	28
Canada	25	Mexico	110	Canada	183
	—	Viet-Nam	147	Italy	32
	50		—	Japan	270
			522	Korean Rep.	133
				Spain	14
				W. Germany	47
				Other Ctys.	12
					719

Total Unmanfactured Asbestos..1,291 Valued at..$134,242

Manufactured Asbestos Goods:	Production	Value
Cement & Pipe Covering ....Lbs.	819,430	$ 173,684
Textiles & Yarn ....Lbs.	51,882	49,022
Packing ....Lbs.	138,893	168,082
Clutch Facing ....No.	167,766	151,376
Brake Lining (Mld & S. Mld) ....Lin. Ft.	103,231	47,002
Brake Lining, Other ....Lbs.	396,293	306,525
Construction Material ....Lbs.	1,920,470	275,434
Asbestos Manufactures—Other	..	126,125
		$1,297,250

Asbestos Corporation Limited has conducted a preliminary exploration program on its two asbestos properties adjacent to the Clinton Creek property in the Yukon. An extensive magnetometer survey was undertaken and 1,000 feet of drilling completed. Sufficient work was accomplished to hold the claims for five years.

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Phenolic & Cashew Resins
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POLYREZ COMPANY, INC.
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INDUSTRY NEWS

HAPPY BIRTHDAY

Robert Sanderson, President, Acme Asbestos Limited, Vancouver, British Columbia, Canada, February 21.
Michael J. Messel, President, Lake Asbestos of Quebec Limited, New York City, February 22.
Dr. Roger W. Sanftner, Vice President Development, Nicolet Industries, Inc., Florham Park, New Jersey, February 22.
George W. Smith, President, Bell Asbestos Mines Limited, Thetford Mines, Canada, February 22.
Robert E. Cryor, President, Cape Asbestos (Canada) Limited, Toronto, Canada & North American Asbestos Corporation, Chicago, Illinois, February 23.
Dr. D. B. Wicker, Vice President—Research & Development, Huyck Felt Company, Rensselaer, New York, February 24.
R. D. Williams, Vice President, Lake Asbestos of Quebec Limited, New York City, February 24.
Dr. Morris Lieff, Vice President—Manufacturing & Research, Smith & Kanzler Company, Linden, New Jersey, February 25.
A. S. Johnson, President, Johnson's Company Limited, Thetford Mines, Canada, February 28.
Leonard Krez, President & Treasurer, Paul J. Krez Company, Chicago, Illinois, February 28.
J. L. Rainey, Vice President, American Asbestos Textile Corporation, Pennsylvania, March 1.
Gordon H. Gibbs, Mining Engineering, Willowdale, Ontario, Canada, March 3.
John H. Matthews, Director & Consultant, Manhattan Rubber Division, Raybestos-Manhattan, Inc., Passaic, New Jersey, March 3.
Kempton Dunn, Chairman & Chief Executive Officer, American Brake Shoe Company, New York City, March 5.
Albert E. Binger, Vice President & General Manager, Smith & Kanzler Company, Linden, New Jersey, March 6.
M. E. Curtis, President & Treasurer, Curtis Asbestos Company, Boston, Massachusetts, March 7.
Leonard L. Hank, Senior Vice President—Operations, National Gypsum Company, Buffalo, New York, March 7.
William G. Brinker, President, The Clark Asbestos Company, Cleveland, Ohio, March 8.
Walter E. Miller, Executive Vice President, Philadelphia Asbestos Company, Philadelphia, Pennsylvania, March 8.
William A. Sussman, Vice President & Secretary, The Sussman Asbestos Company, Toledo, Ohio, March 8.
M. P. Carson, Vice President—Sales, Asbestos Corporation Limited, Thetford Mines, Canada, March 10.
A. Lines, Superintendent, Durabestos Works, Wunderlich Limited, Parramatta, N.S.W., Australia, March 11.

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THETFORD MINES, QUE.

CANADA

Producers of

Raw Asbestos Crudes

& Fibres

Sales Representatives

for

Cassiar Asbestos Corporation Limited

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Conrad L. Wigers, President, Allied Services, Inc., Charleston, West Virginia, March 11.
Haydn S. Wood, Secretary, Philadelphia Asbestos Company, Philadelphia, Pennsylvania, March 11.
George R. Vila, President, Chief Executive Officer & Chairman, United States Rubber Company, New York City, March 12.
Colin S. Hoyes, Works Manager, Wunderlich Limited, Brisbane, Queensland, Australia, March 14.
William A. Kamke, Vice President & Treasurer, The Sussman Asbestos Company, Toledo, Ohio, March 14.

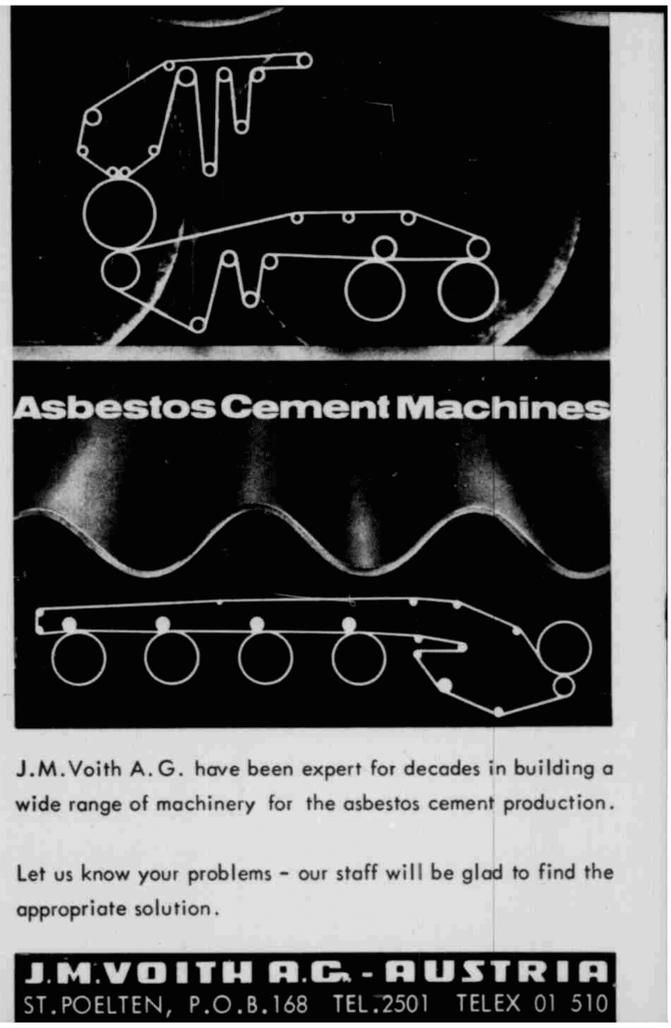
To all these gentlemen we extend congratulations and best wishes on the occasion of their birthdays.

Cassiar's Clinton Creek Property—The diamond-drilling carried out on the Clinton Creek property (Yukon) of Cassiar Asbestos Corporation during 1964 accomplished two major objectives. The continuity of the original 5,000,000-ton orebody was confirmed by horizontal holes drilled on 100' sections from the underground drifts and cross-cuts and by three vertical holes drilled from surface.

The southwest extension of the orebody, indicated in 1963 by one diamond drill hole and a magnetic anomaly, was explored by a series of eight verticle holes on 200' centers. It was traced for a distance of 700' with an average horizontal width of 400' and is still open to the southwest. A step-out hole was drilled 1,100' from the last intersection and returned 122' at 7.5% fibre at which point the hole was lost due to caving. The overburden at this point was approximately 350' and it now appears that the apparent plunge of 10°-15° S.W. flattens out and that the intervening area could yield a further sizeable extension within reach of an open pit operation. This possibility will be fully explored in 1965 with two or three diamond drills. In addition, detailed planning and cost estimates will be prepared.

A preliminary estimate of the ore outlined to date is 12,300,000 tons with 6% to 7% fibre, a value of $12.32 per ton of ore, and a waste to ore ratio of 2.4 to 1. However, the step-out hole referred to above and the geophysical survey, indicate a strong possibility that this tonnage will be substantially increased by the drilling planned for 1965.

Gath's Mine—A £300,000 contract for sinking the new King section shaft at Gath's Mine in Southern Rhodesia is being carried out for the Rhodesian and General Asbestos Corporation. The concrete-lined circular shaft will be 20 feet in diameter and 1,458 feet deep. The contract includes construction of transfer levels and ore passes and pre-cementation treatment will be carried out down to 180 feet to seal off water-bearing strata. Work is expected to be completed by July 1965.



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ARIZONA— Per Ton of 2,000 lbs., f.o.b. Globe, Arizona

(As of July 10, 1964)

No. 1 Crude	$1,410.00 to	$1,650.00
No. 2 Crude	610.00 to	900.00
AAA	..	800.00
Group No. 3 (Non-Ferrous Filtering & Spinning)	425.00 to	750.00
Group No. 4 (Non-Ferrous Plastic & Filtering)	385.00 to	500.00
Group No. 5 (Plastic & Filtering)	250.00 to	400.00
Group No. 7 (Refuse & Shorts)	58.00 to	90.00

CANADA— Per Ton of 2,000 lbs. f.o.b. Mine

(As of January 1, 1965) Canadian Currency

Group No. 1 (Crude No. 1)	..	$1,410.00
Group No. 2 (Crude No. 2. Run of the Mine Crude, Sundry Crudes)	640.00 to	875.00
Group No. 3 (Spinning Fibre)	345.00 to	565.00
Group No. 4 (Shingle Fibre)	190.00 to	320.00
Group No. 5 (Paper Fibre)	115.00 to	156.00
Group No. 6 (Waste, Stucco or Plaster)	..	95.00
Group No. 7 (Refuse or Shorts)	40.00 to	80.00

CASSIAR— Per Ton of 2,000 lbs., f.o.b. Vancouver, B. C.

(As of January 1, 1965) Canadian Currency

AAA grade (non-ferrous spinning fibre)	$ 787.00
AA grade (non-ferrous spinning fibre)	625.00
A grade (non-ferrous spinning—Canadian Group 3)	470.00
AC grade (asbestos cement—Canadian Group 4)	325.00
AD grade (asbestos-cement—Canadian Group 4)	260.00
AK grade (shingle fibre—Canadian Group 4)	220.00
AS grade (shingle fibre—Canadian Group 4)	181.00
AX grade (shingle fibre—Canadian Group 5)	160.00
AY grade (shingle fibre—Canadian Group 5)	120.00

VERMONT— Per Ton of 2,000 lbs., f.o.b. Mine

(As of January 10, 1965) U. S. Dollars

Group No. 3 (Spinning & Filtering)	$ 319.00 to	$ 370.00
Group No. 4 (Shingle Fibre)	176.00 to	296.00
Group No. 5 (Paper Fibre)	121.00 to	144.00
Group No. 6 (Waste, Stucco or Plaster)	.. to	88.00
Group No. 7 (Shorts & Floats)	40.50 to	75.00

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Johns-Manville Corporation has announced the formation of two new Sales Districts for the direct sales of its Transite pipe products.

C. M. Bennett will assume the responsibilities of District Manager—Florida District and will be located in the Atlanta, Georgia, District office until arrangements can be made to permanently locate him at J-M's new pipe plant at Green Cove Springs, Florida. The Florida District will include areas of both Florida and Georgia.

W. P. Richardson will assume the responsibilities of the New Orleans District and will continue to operate from the Marrero pipe plant where he is now located. The New Orleans District will include areas in Alabama, Arkansas, Florida, Louisiana, Mississippi, Missouri, Kentucky, Tennessee and Texas.

Johns-Manville has announced the appointments of the following Senior Engineers in various capacities within its Pipe Division.

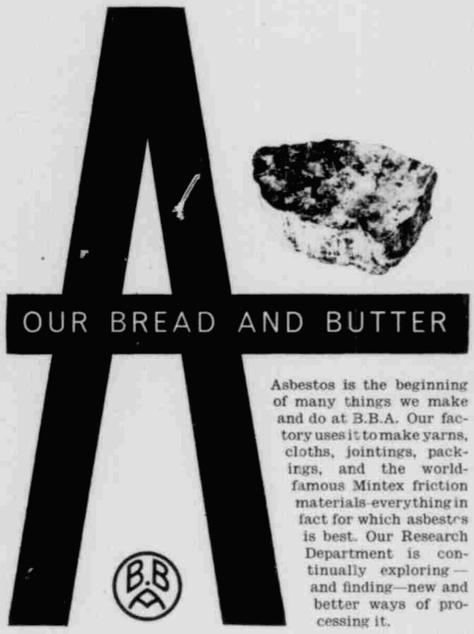
Miles J. Devine has been appointed to the position of Senior Staff Engineer—Industrial Pipe. He started with J-M in Chicago, Illinois, in 1961 as a Salesman-in-training and was promoted to Salesman the same year.

Henry S. Goodspeed has been appointed Senior Staff Engineer for Water Pipe. With J-M since 1956, he has been a Research Engineer, Development Engineer, Section Chief, and most recently, Senior Construction Engineer in the General Engineering Department.

George A. Nielsen has joined the Direct Sales Headquarters Staff on Water Pipe as Senior Staff Engineer. He joined J-M in 1963 and will devote primary attention to the application of plastic pipes in the water works industry.

William T. Pinkerton has been appointed Senior Engineer, Distributor Sales Department. He started with J-M in 1941 and has handled a wide variety of assignments effectively with the Pipe Division as Engineer, Technical Writer, and Senior Technical Writer.

Roger Hackney, Senior Operating Vice President for **Johns-Manville Corporation,** has been elected a Director of **The Polymer Corporation.** Polymer is a leading world-wide manufacturer and supplier of industrial plastics and in addition to its main plant in Reading, Pennsylvania, has manufacturing facilities in Chicago, Illinois, and England. In his J-M operating capacity, Mr. Hackney is Vice President for J-M Mining and International Divisions.



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David M. Berk, owner and founder of the **Standard Asbestos Manufacturing Company,** Detroit, Michigan, died January 11th, 1965 at the age of 81. He was a Detroit resident for 60 years and owned the asbestos company for 55 years.

The Cape Asbestos Co. Ltd. has appointed **A. H. Parkes** a Director of the parent company. Mr. Parkes will continue in his present capacity as Managing Director of Small and Parkes Limited, a company in the Cape Asbstos Group.

H. K. Porter Company, Inc. has announced the election of **James A. Drain** as a Porter Director. Mr. Drain is President and Chief Executive Officer of Joy Manufacturing Company, producer of mining machinery and other industrial equipment. He is a former Group Vice President of Porter in charge of electrical divisions and Canadian operations.

American Brake Shoe Company's Amsco Division has announced the appointment of **Ruby Wray, Jr.** to Vice President in charge of manufacturing for the division. Amsco operates plants at Chicago Heights, Illinois; Oakland, California; Denver, Colorado; and, New Castle, Delaware.

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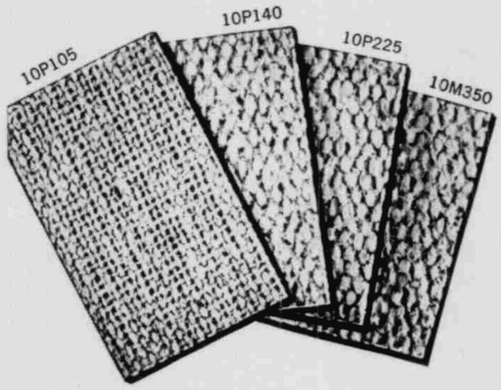
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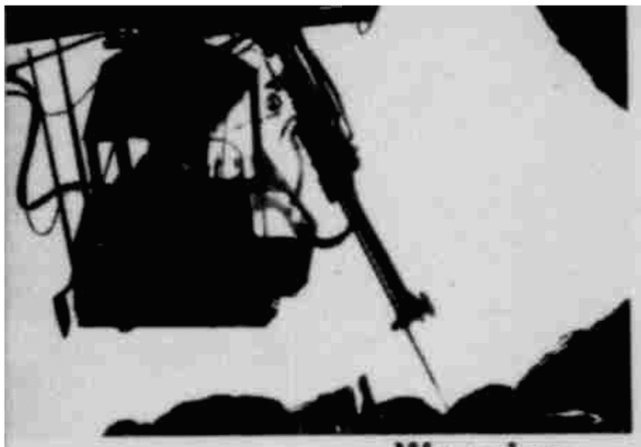
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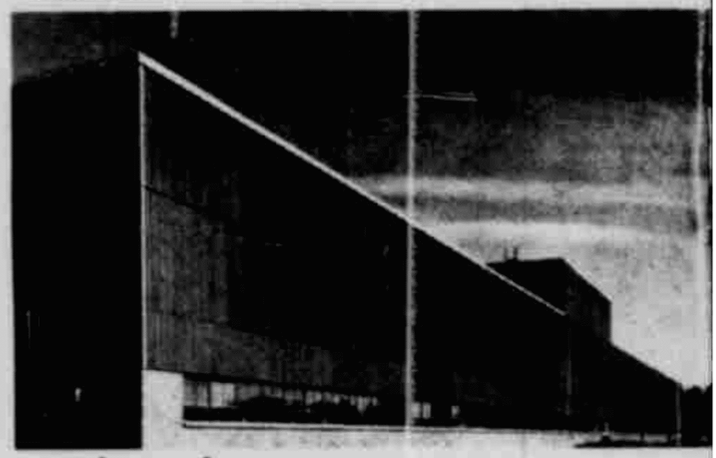
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