

ANNOUNCING CROLL- REYNOLDS' NEW Convactor

If you never heard of a CONVACTOR, do not be surprised. It is an entirely new design of special condensing tower which offers important processing advantages.

In the refining of edible oils it recovers fatty acids, most of which were formerly waste. It offers another advantage of totally eliminating stream pollution from this source or the expense of cleaning cooling towers which collect such deposits. It has similar application in fatty acid stills, some other types of distillation processes, dryers, and other large vacuum processing units.

The CONVACTOR is a combination of two condensers and a vacuum cooling chamber. One condenser is of conventional barometric design, the other a highly improved condenser working on the jet principle. The latter condenses the vapor from the process and discharges directly into the vacuum cooling compartment for the immediate removal of condensation heat. The cold water is then recirculated through the same jet condenser. The flashed vapor from the cooling operation is condensed in a conventional barometric condenser using water from a river, cooling tower or other industrial source. Periodic blow-down or continuous bleed-off from the flash chamber permits recovery.

Several large industrial installations have been made.

It is significant that this new contribution to vacuum equipment should come the year we are celebrating our Fortieth Anniversary.

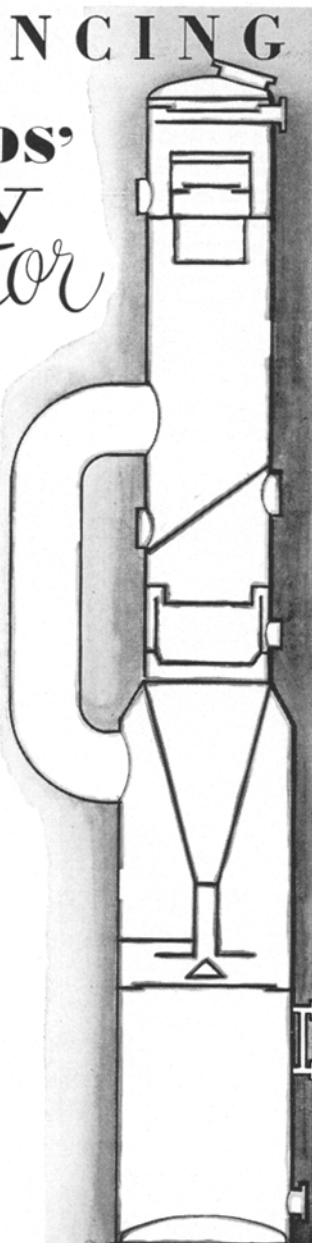


Croll-Reynolds CO., INC.

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CHILL-FACTORS • STEAM-JET EVACTORS • AQUA-FACTORS •
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New Members . . .

Active

- Verne C. Bidlack Jr., development engineer, Archer-Daniels-Midland Company, Minneapolis, Minn.
Robertson Cornell Farrow, director, MacMillan Laboratories (formerly Southland), Albany, Ga.
Albert James Fenton Jr., research chemist, Miami Valley Laboratories, Procter and Gamble Company, Cincinnati, O.
Carl T. Fiscella, sales engineer, Union Bag-Camp Paper Corporation, New York, N. Y.
Paul Guenther Gottschalk, superintendent and laboratory manager, Allied Mills Inc., Taylorville, Ill.
Charles Greenfield, chemical engineer, Fred S. Carver Inc., Summit, N. J.
William Porter Griffith, superintendent, hydrogenation plant, Wesson Oil and Snowdrift Company Inc., Memphis, Tenn.
Norman F. Johnston, manager of research and development, Hunt Foods and Industries, Hayward, Calif.
Theodore T. McLaughlin, research chemist, Tee Chemical Corporation, Stamford, Conn.
Victor Poleschuk, chemist, K. A. Powell (Canada) Ltd., St. Boniface, Manitoba
Leonard E. Rakofsky, chemist, Wesson Oil and Snowdrift Company, Inc., Bayonne, N. J.
Kaparthi Ramalingam, research assistant, University of Cincinnati, Cincinnati, O.
Francis Charles Schleger, factory manager, Vegetable Oils Pty. Ltd., Sydney, Australia
Andrew J. Schude, pilot plant chemist (fats and oils), Durkee Famous Foods Division, Glidden Company, Chicago, Ill.
Leonard J. Swicklik, research chemist, Distillation Products Industries, Rochester, N. Y.
William E. Thompson, associate chairman, department of chemistry, Southwest Research Institute, San Antonio, Tex.
James W. White, divisional manager, E. F. Drew and Company Ltd., Ajax, Ontario
Harro Zimmer, research chemist, Schliemann Teerchemie Berlin, Berlin, Germany

Individual Associate

- John J. de Groot, sales representative, Atlas Powder Company, Chicago, Ill.

Thirty-five Years Ago

Among the members enrolled since November 1922 were Julius Pelofsky, Wilson and Company, Chattanooga, Tenn.; A. A. Robinson, Wilson and Company, Chicago; Edgar H. Tenent, Barrow-Agee Laboratories, Greenville, Miss.; G. O. Daniel, Southern Cotton Oil Company, Memphis; J. Jakobsen, Vegetable Oil Products Company, Wilmington, Calif.; Henry O'Deen, Pacific Oil and Lead Works, San Francisco.

“The most irritating thing about laboratory management, from the point of view of those who are being managed, is that the managing process is so visible,” wrote L. G. Copes of the Nucoa Butter Company, Bayonne, N. J., in the Chemists' Section of the Cotton Oil Press for January 1923.

In the same issue E. W. Lazzell of Portland, Ore., asked about the problem of reversion of color in coconut oil.

Publishes Bibliography

The office of the Ministerio de Agricultura y Cria, Caracas, Venezuela, has published an 88-page bibliography of books and pamphlets received by the library during the first four months of 1957.



Dr. and Mrs. W. O. Lundberg (center), Hormel Institute, Austin, Minn., attend a reception at the City Hall in Paris during the second annual meeting of the International Society for Fat Research.

I.S.F. Meeting Draws Crowd

THE SECOND ANNUAL MEETING of the International Society for Fat Research, held October 21-23, 1957, in Paris, France, was attended by scientists and technicians from 25 nations. M. C. Paquot, president, opened the technical sessions, which were conducted at the chemistry building of the National Scientific Research Center.

The technical program consisted of 43 papers and a field trip to l'Institut de Recherches pour les Huiles et Oleagineux. Members of the American Oil Chemists' Society who presented papers include A. Davidsohn and E. Better, Haifa, Israel, on "Peptization of Peanut and Coconut Cake Meal Protein in Salt and Pepsin Solutions;" Meny Bergel, Rosario, Argentina, two papers on antioxidants; and M. C. Paquot and R. Perron, Bellevue, France, two papers on aliphatic acids.

Social events included a buffet dinner on Monday evening, a reception on Tuesday evening followed by a visit to Théâtre Francais, and a banquet on Wednesday at the Rive Gauche hotel. Ladies' program was under the direction of Madame Paquot.

It was decided to hold the third annual meeting of the International Society for Fat Research in Seville, Spain, probably in late September 1958. The meeting will be organized by Martinez Moreno, new president of I.S.F.

Committee News

K. E. HOLT, Archer-Daniels-Midland Company, Minneapolis, Minn., replaces J. C. Konen of the same company as chairman of the subcommittee on drying oils of the Fat Analysis Committee, of which V. C. Mehlenbacher is chairman. O. A. Kennan, Newport Soap Company, Oakland, Calif., has been appointed to the Color Committee of the American Oil Chemists' Society and will work with L. K. Whyte on the surface color subcommittee, according to R. C. Stillman, chairman.

The reconstituted subcommittee for the determination of soap in refined oil will comprise Perry Morgan Jr., chairman, George Cavanagh, Charles Glankler, Fred Blachly, A. A. Rodeghier, Joel Landis, John Preston, and James McMahan, according to Mr. Mehlenbacher, chairman of the F.A.C. committee.

Appointments are confirmed by H. C. Black, president of the Society.

H. E. Otting Dies

Herbert E. Otting (1935-54), director of quality control for M & R Dietetics Laboratories Inc. until retirement in 1954, died on November 17, 1957, at his home in Minerva Park, O. He was the author of several technical articles and had been granted 14 U. S. patents in food and milk processing.



Sargent Constant Temperature Bath

The 0.01° C. Sargent Constant Temperature Water Bath, which is employed in many laboratories throughout the world where a precise, reliable thermostat is required, is now being supplied with an improved relay unit and heating system. The central heating and circulating unit of the bath is now equipped with three cylindrical heating elements rated at 200, 300 and 400 watts respectively. The 200 watt heater is controlled by the No. 81835 mercurial thermoregulator through a thyatron tube and saturable core reactor in the relay unit. (The use of a saturable core reactor obviates the difficulties commonly encountered with mechanical relaying systems such as pitted contacts, broken moving parts and freezing.) By means of a control mounted on the panel of the relay the output of this heater can be varied from the full 200 watts to approximately 60 watts, thus permitting such adjustment of the heater output that positive overshooting of the regulatory temperature is minimized. With the improved relay system this bath can be adjusted to a precision of $\pm 0.005^\circ \text{C}$. when operating in the vicinity of 25°C .

In addition, the relay unit is equipped with a master switch, a switch for each heater and a pilot light to indicate that the circuit to the 200 watt heater is closed.

Maximum power consumption 1100 watts.
S-84805 WATER BATH—Constant Temperature, 0.01° C., Sargent. Complete with Pyrex jar, 10 inches in diameter and 10 inches in height; central heating and circulating unit; constant level device; cooling coil; No. 81835 thermoregulator and relay unit with cord and plug for connection to standard outlets. For operation from 115 volt 50/60 cycle circuits\$300.00

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