• *New Literature*

In the *New Literature* Column of the August issue, we carried an announcement of a new journal, *Color Engineering,* dealing exclusively with research, control, compounding and applications of color science. Hunter Associates Laboratory, Inc. was erroneously indicated as the publisher of this journal. With apologies to all concerned, we ask *JAOCS* readers to note that *Color Engineering* is published by the Kinelow Publishing Co., 2 John St., New York 38, N. Y.

F & M Scientific Corp. is offering a new catalog which describes columns and accessories for gas chromatography. It lists over 180 different liquid phases, adsorbents, and column supports. It also includes nine standard column packings, and information on packed columns and how to order columns made to specification. (Avondale, Pa.)

E. H. Sargent & Co. has produced a new 16-page booklet which discusses the operation and specifications of three SR-type Recorders. Bulletin SR-3 details: Model SR, the automatic, self-balancing, recording potentimeter for double duty in the lab; Models SR-20 and SR-30 for use with all gas chromatographs; and Model SRL, the linera-log recorder for use with spectrophotometers, photometers, densitometers, and similar instruments to record either transmittance or absorbance. (4647 W. Foster Ave., Chicago 30, Ill.)

Organic Chemicals Division of FMC Corp. has made available a new technical bulletin on the reactions and uses of ethyl chloroformate, a chemical employed primarily as an intermediate in the manufacture of organic compounds. It discusses physical properties of the pure material, commercial specifications, stability, safety, typical reactions, and applications. Reactions with hydroxy, amino, and mercapto groups, organic metal salts, and miscellaneous materials are detailed.

A. E. Staley Manufacturing Co., Decatur, Ill., has announced acquisition of production and distribution facilities in Canada by a recently-formed subsidiary, Staley Limited, formerly Fisher & Ludlow, Ltd. These will be improved and equipped for production of Ubatol polymer emulsions, and will also serve as a base for their sales and distribution of industrial and consumer products.

The V. D. Anderson Co., Division of IBEC, has published Case History No. 126, dealing with a specific oil mist problem caused by nine automatic cutting machines. The problem was solved with the installation of an Anderson Type LS16-LP Purifier. Oil was reclaimed, haze in the shop eliminated, and maintenance reduced. (1935 W. 96th St., Cleveland 2, Ohio)

Chemical Specialties Research Laboratories announced the availability of their 1963 list of analysis—comprising over 600 commercial chemical specialties. (Box 815, Baltimore 3, Md.)

Arthur R. Thomas Co. is now distributing Vol. 1, No. 3 of *Scientific Apparatus.* The 20-page bulletin illustrates and describes important new Thomas developments and current offerings of manufacturers for whom they are distributors. Featured are the Thomas Isothermal Distillation Molecular Weight Apparatus, new micro accessories for the Magne-Matic Van Slyke Blood Gas Apparatus, Haack-type accessories for the Schöniger oxygen combustion technique, and a new stainless steel Petri dish cover. (P. O. Box 779, Philadelphia, Pa.)

Eastman Chemical Products, Inc., subsidiary of Eastman Kodak Co., is featuring a new technical bulletin (X-150) on development chemicals available for evaluation by industry, the New Chemical Products from Eastman. Brief descriptions of the properties and potential applications of each chemical are included. It also features a complete product index of alcohols, aromatic intermediates, solvents, aldehydes, plasticizers, acids and anhydrides, food and petroleum additives and other products. Product flow charts are also included. (Kingsport, Tenn.)

Nopco Chemical Co. now has available a new bulletin, ISP-1-63, describing chemicals used in the manufacture of paper, textiles, metalworking, and leather and latex. It also includes surfactants, hydrosulfites and sulfoxylates, inorganic compounds, fine chemicals, natural gums, plasticizers, metallic soaps, vinyl stabilizers, and urethane cellular plastics. (Dept. A, 60 Park Place, Newark, N. J.)

USDA to Sponsor International Meeting

An International Meeting on Cottonseed Protein Concentrates, sponsored by the U. S. Department of Agriculture, has been announced by Secretary Orville L. Freeman.

The conference, to be held in New Orleans, La., Jan. 15–17, 1964, will also have the support and participation of UNICEF and the National Cottonseed Products Association. A. M. Altschul, Chief Chemist of the Seed Protein Pioneering Research Laboratory of USDA's So. Utiliz. Res. & Dev. Div., New Orleans, will be chairman of the conference. All three participating organizations will contribute to the program.

The technology of cottonseed protein concentrates will be emphasized on the program, with special emphasis on the preparation of high-quality proteins as human food . . . especially since cottonseed is one of the principal crops being studied by UNICEF in connection with their worldwide program for human diets.

The Southern Division is USDA's center for investigating the utilization of cottonseed, and carries on extensive research on its chemistry, processing, and utilization.

Fatty Acid Producers' Report

July production of animal, vegetable, and marine fatty acids classified under Categories No. 1–No. 11 totalled 27.1 million lb, down seasonally 9.2 million lb from June, but up 2.5 million lb from July last year. Inclusion of tall oil fatty acids put July production above 47 million lb.

Disposition of fatty acids under Categories No. 1–No. 11 amounted to 30.8 million lb, compared with 35.3 million lb in June and with 31.8 million lb in July 1962.

Finished goods inventories totalled 32.1 million lb on July 31st, down 2.4 million lb from the June 30th level. Work-in-process stocks were 19.6 million lb, down 0.8 million lb from the end of May.

CONSUMPTION OF FATS AND OILS IN FATTY ACIDS
(in million lb)

FATS AND OILS	Total consumption [a]				Used in fatty acids				Percent used in fatty acids			
	July		Cum. Jan.-July		July		Cum. Jan.-July		July		Cum. Jan.-July	
	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962
									%	%	%	%
Tallow and grease inedible	127.4	120.3	1,056.0	1,051.6	23.7	21.6	250.0	228.2	19	18	24	22
Vegetable oil foots	9.2	8.3	71.9	80.1	6.6	5.8	51.9	54.8	72	70	72	68
Coconut	57.0	49.3	415.1	400.7	2.7	4.0	28.2	37.6	5	8	7	9
Other animal and vegetable fats	575.7	610.3	4,217.4	4,498.9	3.5	3.2	24.3	24.3				
Tall oil	73.0	70.3	529.6	506.2	60.0	58.5	444.7	423.7	83	83	84	84
Total	842.3	858.5	6,290.0	6,537.5	96.5	93.1	799.1	768.6				

[a] Excluding amounts consumed in refining.
NOTE: Detail figures may not add to totals because of independent rounding.

New Products . . . .

(Continued from page 17)

PERKIN-ELMER CORP., Norwalk, Conn., has announced two new low-cost gas chromatographs of unusual flexibility and performance. Additions to the Model 800 series of instruments, the new Model 810 and 820 both use dual columns for base-line stability in temperature-programmed analysis. They also claim a major feature is use of a dynathermal oven system employing rapid-response heating elements and high-velocity circulating air.

MCPHERSON INSTRUMENT CORP., Acton, Mass., now have available Model 216, a one meter combination spectrograph and scanning monochromator, Czerny-Turner type instrument, listing many outstanding features.

MACROSONICS CORP., Carteret, N. J., now offers a new instrument, the Multisions broad band ultrasonic generator. They claim a unique combination of broad frequency range and power necessary for the laboratory and pilot evaluation of the use of ultrasonic for processing and testing, by turning the knob of a single generator. The firm also has available a series of standard transducers and transducer assemblies.

RESEARCH SPECIALTIES CO., Richmond, Calif., has made available complete equipment for thin-layer electrophoresis, claiming that users can exploit the reported advantages of the method over paper electrophoresis (similar to the advantages of thin-layer chromatography), and attain greater speed, sharper resolution, greater sensitivity, wider range of sample size, better reproducibility, less heating, wider choice of reagents, less interference by impurities in samples.

POSSIS MACHINE CORP., Minneapolis, Minn., has announced a new low-cost method for highly accurate quantitative analysis of organic or inorganic fluids in industrial, food processing, medical and many other fields of chemical laboratory work. Called the PLE 400 Paper Chromatograph, this compact instrument was designed to entirely eliminate time-consuming hand spotting in preparation of filter papers. It also permits processing of up to four different or identical samples simultaneously.

Crude Glycerine Production Down Producers Stocks Steady

According to the U. S. Department of Commerce, production of crude glycerine (including synthetic) for the month of June was 19.8 million lb, down 7.9 million lb from the unusually high June figure, but up 3.1 million lb from crude production reported for July 1962.

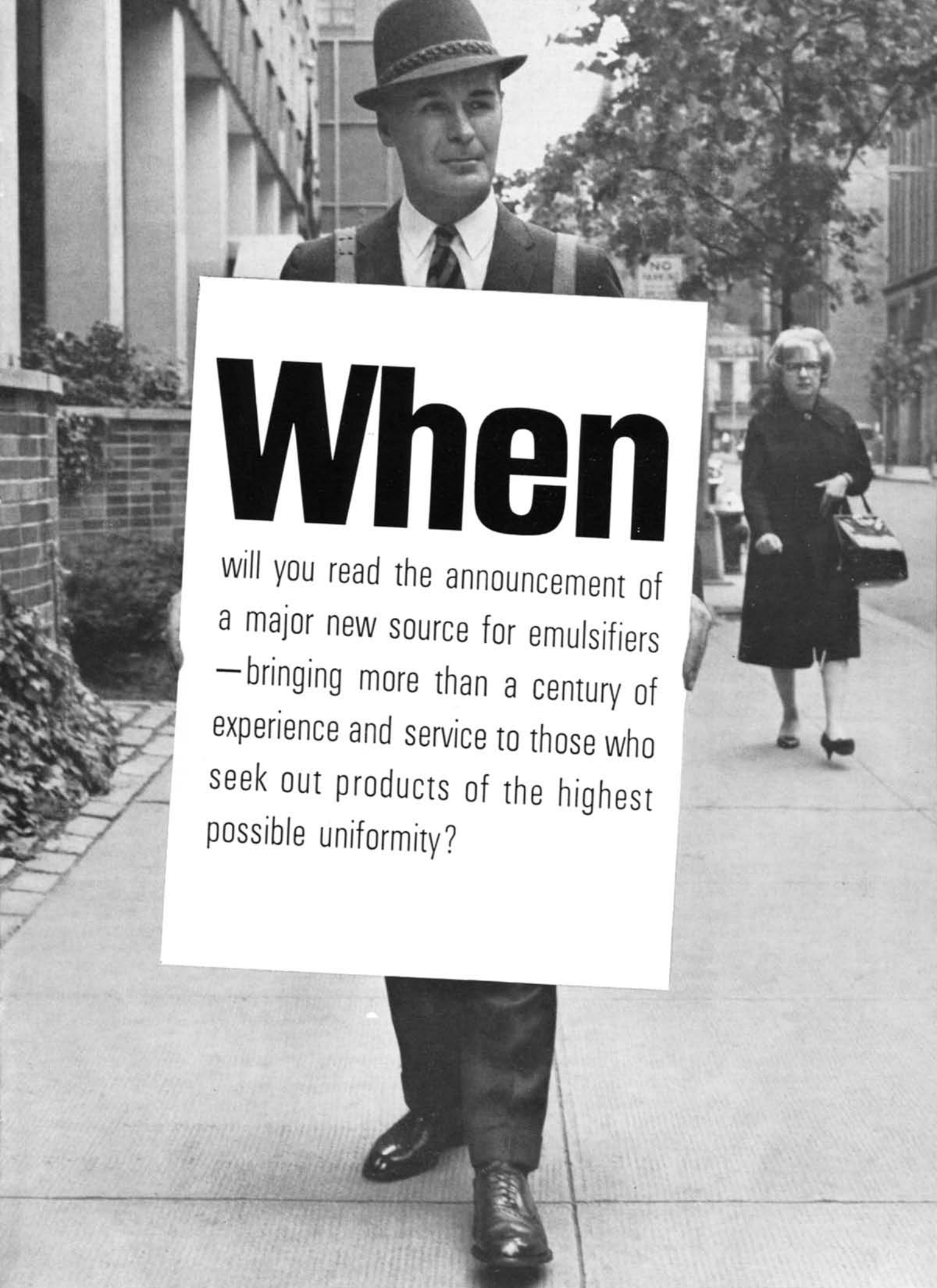
At the end of July, producers stocks of crude and refined glycerine totalled 47.0 million lb, up slightly from the end of June, but down 14.7 million lb from July last year.

PRELIMINARY
GLYCERINE DISAPPEARANCE
In Terms of Absolute Glycerol (100% Basis)
By Months—January–June, 1963

	Jan.	Feb.	Mar.	Apr.	May	June
Stocks beginning of months (all grades)	57,500	55,800	53,100	50,400	48,900	46,400
Production (crude only)[1]	22,500	21,100	23,000	21,700	27,800	27,700
Imports	.....	800	600	.....	100	.....
Exports	1,500	2,400	2,500	3,000	3,100	5,400
Stocks, end of month (all grades)	55,800	53,100	50,400	48,900	46,400	46,800
Disappearance	22,700	22,200	23,800	20,200	27,300	21,900
Excess of disappearance over production	+200	+1,100	+800	−1,500	−500	−5,800

Note: Stocks shown are producers (crude and refined) stocks. Disappearance now represents the (domestic) movement of glycerine into the hands of consumers—and does *not* reflect actual use of consumers stocks. Yearly and monthly totals will not necessarily agree because of independent rounding of figures.

[1] Synthetic glycerine included on a crude basis beginning in June 1949.


When
will you read the announcement of a major new source for emulsifiers —bringing more than a century of experience and service to those who seek out products of the highest possible uniformity?