of 500 copies each at quarterly periods of a magazine, size you indicate, containing 30 pages of reading matter for a total of \$600. You are to pay for making any cuts. We are to be permitted to print such advertising as we are able to secure and retain all revenue from such advertising."

(d) By the Print Craft Press, per letter of September 6, 1923, to A. W. Putland, as follows: Price of \$113 for 500 copies quarterly, to contain 32 pages and cover size 6 1/4"x9 1/4". For each additional 100 copies \$4.00. For 25 copies of articles from type in quarterly \$1.35 per page, allowing \$4.25 for addressing and mailing and \$10 for printing, advertisements, the total cost by Printcraft people would be \$127.25, or \$589 per year.

(9) Advertising rates: The Chemical Bulletin of the Chicago Section A. C. S. has a circulation of about 2400 copies. They charge \$35 per page per issue. Assuming that our smaller circulation would warrant charging only \$20 per page and we had four pages, this would be \$80 per issue or \$320 per year. Of this, \$120 might be cost of printing, leaving \$200 net profits or \$100 for the managing editor and \$100 for the society.

(10) How can we do it?

At present we have about 225 members for whose subscription to THE COTTON OIL PRESS we pay \$225.00. We are also paying the editor \$500.00, making a total cost for the Chemists' Section to the Society of \$725.00. The proposed journal will cost at least \$500.00 editor's salary, plus \$600.00 printing bills, total \$1100.00. Deducting our present expenses of \$725.00 from this leaves \$375.00. There is no doubt but what we could make \$100.00 on advertising and \$100.00 on library and other non-members subscriptions, total \$200.00, leaving a net increase in cost of publication of our own journal over present Chemists' Section of only \$175.00.

(End of Chemists' Section)

In a year or two our circulation will undoubtedly increase and, personally, I'm sure that within that time we would have an American Journal of Oils and Fats to represent us at a less cost than our present organ.

APPOINTMENT OF REFEREE CHEMISTS FOR SEASON 1924-1925

On account of the desirability of having the list of official and referee chemists published in the Book of Rules of the Interstate Cotton Seed Crushers' Association, it is necessary that certification should take place prior to May 1st. The Referee Board is therefore sending out notices to all present Referee Chemists requesting them to fill out applications for re-certification at the earliest possible moment.

Any other chemists desiring certification are hereby given notice to send in their applications to the chairman of the Referee Examining Board without delay.

DAVID WESSON, Chm. Exam. Bd.
120 Broadway, New York, N. Y.

CORRECTIONS TO BOSART'S ARTICLE ON "A BASIS OF COMPARISON FOR THE SPECIFIC GRAVITY OF FATS, OILS AND WAXES"

Mr. Bosart calls attention to the following errors in his article printed in THE COTTON OIL PRESS, March, 1924, page 36:

The first word of the title should be "Basis" instead of "Basic;" in the sixth paragraph instead of $+0.1^\circ$ it should be $\pm 0.1^\circ$. In the seventh paragraph, the correction given is 0.0068 and should be 0.00068. In the formula for calculation of the specific gravity there should be a line under F. to show the fraction as also in the temperatures given as $\frac{25^\circ}{25^\circ}$.

SUDDEN DEATH OF WALTER E. SANGER

Walter E. Sanger of Wurster & Sanger, chemical engineers, Chicago, Ill., died suddenly in New York City, March 3, from an attack of ptomaine poisoning that developed into bronchial pneumonia. Previous to the establishment of the present business firm in 1921, Mr. Sanger had been for 11 years associated with William Garrigue, his work relating largely to the development and improvement of processes and construction of equipment for the recovery and refining of glycerine and to soap plant work in general. It also related to the solvent extraction of fats and oils, fatty acid distillation and other branches of the fat and oil industries. He was also for a time with Procter & Gamble and Swift & Co. He was a recognized authority on the technology of glycerine production.

He was a graduate of the Chemical Engineering Department of the University of Michigan. His premature death has been a shock to his many friends and a great loss to the entire industry which he had so faithfully served.

By vote of its board of directors the capital stock of Smith, Robinson & Burkart, Inc., linter dealers, Memphis, Tenn., has been increased by the addition of \$15,000.

Seguin (Tex.) Cotton Oil Co., succeeding to the mill property of The American Cotton Oil Co., at that place, has taken out a charter with a capital of \$100,000.

T. C. Jasper, a prominent Plano (Tex.) banker, has bought from the receivers the 4 press plant of the Plano Cotton Oil Co., of which J. W. Sheppard and T. A. Hughston were the former managers.

DAILY PRICES OF CRUDE AND SPOT P. S. Y.

Fluctuations for Months of March, 1923 and 1924 and February Average 1923 and 1924

1924 southeast crude		1923 March		1924 spot psy		N Y 1923	
Low	High	Low	High	Low	High	Low	High
8.75	8.75	10.00	10.00	1	9.90	10.25	11.10
8.62 1/2	8.62 1/2	10.00	10.00	3	9.75	10.50	11.20
8.62 1/2	8.75	10.00	10.25	4	10.00	10.50	11.25
8.50	8.62 1/2	10.00	10.25	5	9.75	9.75	11.25
8.62 1/2	8.62 1/2	10.00	10.25	6	9.75	9.75	11.40
8.50	8.50	10.25	10.25	7	9.80	10.25	11.45
8.50	8.50	10.25	10.25	8	9.80	9.80	11.40
8.25	8.50	10.25	10.25	10	9.65	9.90	11.40
8.12 1/2	8.37 1/2	10.25	10.50	11	9.68	9.90	11.60
8.05	8.25	10.50	10.50	12	9.45	9.70	11.75
8.00	8.00	10.50	10.50	13	9.30	9.70	11.75
8.12 1/2	8.37 1/2	10.50	10.50	14	9.50	10.00	11.87
8.25	8.25	10.62 1/2	11.00	15	9.70	9.90	11.87
8.37 1/2	8.37 1/2	10.75	11.00	17	9.70	9.90	12.00
8.25	8.37 1/2	10.75	11.00	18	9.50	9.85	12.10
8.30	8.30	10.75	11.00	19	9.65	10.00	12.00
8.37 1/2	8.50	10.75	10.75	20	9.60	10.00	12.00
8.25	8.25	10.50	10.75	21	9.50	9.80	11.90
8.25	8.25	10.50	10.75	22	9.40	9.75	11.90
8.12 1/2	8.25	10.50	10.50	24	9.45	9.75	11.75
8.15	8.15	10.50	10.50	25	9.40	9.75	11.50

AVERAGE PRICES CRUDE AND SPOT P. S. Y.

Crude Cotton Oil (Southeast)			
1924	FEBRUARY	1923	1924 MARCH
8.83	average high	9.97	8.41 average high
8.76	average low	9.92	8.33 average low
8.80	average high low	9.45	8.37 average high low

Spot Prime Summer Yellow (New York)			
1924	FEBRUARY	1923	1924 MARCH
10.09	average high	10.90	9.94 average high
9.89	average low	10.89	9.63 average low
9.99	average high low	10.90	9.79 average high low