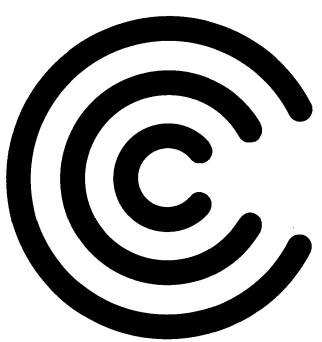
Minneapolis Meeting Offers Unsurpassed Technical Program

⊥ he	TECHNICAL PROGRAM (including abstracts) presenter in its entirety, signals the culmination of mar	ny SES	MONDAY AFTERNOON SSION C	
$_{ m Ameri}$	s of activity which precede the convening of a can Oil Chemists' Society Meeting. On Monda ng, September 30, at the Radisson Hotel, Minneap	an ay LIPI	DS, STRUCTURAL ANALYSIS Chairman: O. S. Privett, The Hormel Institute.	
is, M: nost zear h	inn., the Society will formally open the largest ar comprehensive Technical Program in its fifty-for istory. The 37th Annual Fall Meeting promises to b	nd 11. ur	Motion Picture: Bioassay of Lipids O. S. Privett and M. L. Blank, The Hormel Institute.	2:00
A landmark of those productive years. As has been previously reported, this Technical Series will explore both the biological and nutritional aspects of fats and lipids. In addition to the many general papers			Determination of the Glyceride Structure of Fats: Gas Liquid Chromatography (GLC) of Oxidized Glycerides	2:40
\mathbf{w}	will be presented, a full-day Symposium on "Drug oid Metabolism" has been organized by Rudolph	gs	C. G. Youngs and M. R. Subbaram, National Research Council of Canada.	
Paolet Lipids	ti of Italy. A shorter symposium on "Binding of by Proteins" will be chaired by D. G. Therriault.	of 13.	The Triglyceride Composition of Cuphea miniata Seed Fat	3.00
In the pages to follow, the reader may review over one nundred scheduled technical presentations which will be oftered at the coming Fall Meeting, with times of the scheduled presentations. Programs will also be available in Minneapolis.			C. Litchfield, M. Farquhar and R. Reiser, Texas Agricultural Experiment Station.	
			Pancreatic Lipase Hydrolysis of Triglycerides by a Semimicro Technique	3:20
	MONDAY MORNING SSION A		F. E. Luddy, R. A. Barford, S. F. Herb and R. W. Riemenschneider, U.S.D.A., Eastern Regional Research Laboratory.	7
LIP	IDS, STRUCTURAL ANALYSIS Chairman: J. C. Cowan, U.S.D.A., Northern Regional Research Laboratory.	15.	The Use of Microchromatoplates for the Quantitative TLC Analysis of Tissue Phospholipids and Neutral Lipids	3:40
1.	A System for Designating the Configuration of Optically Active Glycerides	20	J. J. Peifer, R. Meusing and F. Janssen, The Hormel Institute.	51.15
	C. C. Litchfield and H. Rakoff, Texas Agricultural Experiment Station.	16.	Quantitative Analysis of Lipids by Thin-Layer Chromatography	4:00
2.	Optically Active Triglycerides	10	M. L. Blank, J. A. Schmit and O. S. Privett, The Hormel Institute.	
3.	Determination of the Glyceride Structure of Fats: Distribution of Individual Saturated and Unsaturated Acids		Bisglyceride-Ethers. The Intermediates of Acyl Migration	4:20
	search Council of Canada.	SES	SION D	
4.	Exploitation of the Selectivity of Various Chromatographic Techniques for the Study of the Triglyceride Structure of Natural Fats	_	IERAL Chairman: W. E. Link, Archer-Daniels-Midland Company.	
5.	Use of Rubber Columns for the Chromatographic Separation of Triglycerides and Other Non-Polar Compounds	_	Some Linseed Esters of Methyl α-D-Glucopyranoside Prepared by Using the Methoxycarbonyl Blocking Group	2:00
SES	Bauman, Colgate-Palmolive Company. SSION B	19.	Reaction of the Cyclopropene Moiety of Vegeta-	
	VERAL Chairman: H. Schlenk, The Hormel Institute		ble Oils with Acids R. O. Feuge and Z. Zarins, U.S.D.A., Southern Regional Research Laboratory.	2:20
6.	A Naturally Occurring All-Cis 6,9,12,15-Octa- decatetraenoic Acid in Plant Oils		A Re-Examination of the Polymerization of Sterculic Acid	2:40
7.	The Polyunsaturated Odd-Numbered Acids of Mullet (Mugil Cephalus)		Polyunsaturated Fatty Acids with a "Lonely" Double Bond in the 5-Position	3:00
8.	The Preparation of C ¹⁴ -Labeled Polyunsaturated Fatty Acids from Ochromonas Danica	22.	Hydrogenation of Linolenate. XI. Nuclear Magnetic Resonance Investigations	3:20
9.	Separation of Cis and Trans Fatty Acid Esters by Argentation, with a Cation Exchange Resin E. A. Emken, C. R. Scholfield and H. J. Dutton, U.S.D. A. Mutham, Princel Present, Lab.	0 23.	Elaidinization with Mercaptans	3:40
10.	U.S.D.A., Northern Regional Research Laboratory. Preparation of 9,15-Octadecadienoate Isomers 11:4 R. O. Butterfield, C. R. Scholfield and H. J. Dutton, U.S.D.A., Northern Regional Research Laboratory.		The Synthesis and Evaluation of New Active Chlorine Compounds I. R. Schmolka, M. Cenker and M. Kokorudz, Wyandotte Chemicals Corporation.	4:00

25.	Applications of Silicic Acid-Silver Nitrate Chromatography	4:20	41. Identification of Surface Active Agents in Admixture by Thin-Layer Chromatography 9:40
	M. K. Bhatty and B. M. Craig, National Research Council of Canada.		C. T. Desmond and W. T. Borden, Union Carbide Chemicals Company.
26.	Fractionation of Complex Lipid Mixtures into Groups of Uniform Degree of Unsaturation H. K. Mangold, The Hormel Institute, and C. R. Houle, U. S. Department of the Interior.	4:40	42. Gas-Liquid Chromatography of Acetate Esters of Nonionic Surfactants
	SION E PS AND DETERGENTS Chairman: M. E. Ginn, Armour and Company.		 An Automated Version of the Methylene Blue Method for Anionic Surfactants in Water 10:20 D. P. Lundgren and H. J. Keily, Lever Brothers Company.
27.	Experiments in the Formulation of Liquid Detergents from Tallow R. G. Bistline, Jr. and A. J. Stirton, U.S.D.A., Eastern Regional Research Laboratory.	2:00	44. Alpha Sulfo Fatty Esters in Biologically Soft Detergent Formulations
28.	A Method for the Determination of Surface Tension of Nonionic Surfactant Solutions at Elevated Temperatures	2:20	45. Biodegradation of Some Tallow-Based Surface Active Agents in River Water
29.	Temperature Studies of Coacervation in Aqueous Cationic Soap Solutions	2:40	 Soft Alkyl Benzenes as Detergent Raw Materials 11:20 J. Morrisroe, R. W. Atwood and R. E. Temple, Pilot Chemical Company.
30.	Dynamic Foam Test	3:00	SESSION H ANALYTICAL
31.	Caking Test for Dried Detergents	3:20	Chairman: H. J. Dutton, U.S.D.A., Northern Regional Research Laboratory. 47. Analysis of Fatty Alcohols as Nitrates by Thin-
32.	Company. A Neutron Activation Method for Soil Removal Measurement	3:40	Layer Chromatography and Infrared Spectroscopy
	D. A. Netzel, C. W. Stanley and D. W. Rathburn, Midwest Research Institute.		Department of the Interior. 48. Gas-Liquid Chromatography of Polar Fatty De-
33.	Preparation and Properties of Several Amine Oxides	4:00	rivatives 9:20 R. A. Morrissette and W. E. Link, Archer-Daniels- Midland Company.
34.	Two New Stable Polybrominated Salicylanilides for Antibacterial Use in Soap and Detergent Products	4:20	49. Infrared Analysis of Methyl Stearate for Deuterium
	TUESDAY MORNING SION F POSIUM: DRUGS IN LIPID METABOLISM. Org	ganized	50. The Gas-Liquid Chromatography of Hydroxy- stearic Acid Esters
_	Rodolpho Paoletti. Chairman: E. C. Horning, Baylor University. Gas Chromatography in Lipid Investigations	9:40	51. Characterization and Identification of Lipids by Their Critical Solution Temperatures
	E. C. Horning, Baylor University.	7.40	berg, The Hormel Institute.
36.	Thin-Layer Chromatography in Studies of Lipid Metabolism H. K. Mangold, The Hormel Institute.	10:15	52. Methods for the Determination of Cycloprope- noid Fatty Acids. IV. Application of the Step- wise HBr Titration Method to the Analysis of Refined and Crude Cottonseed Oils
37.	Drugs in Lipid Synthesis	10:50	J. A. Harris, F. C. Magne and E. L. Skau, U.S.D.A., Southern Regional Research Laboratory.
38.	Effect of Neomycin on Cholesterol Metabolism J. G. Hamilton, J. E. Muldrey, Grace A. Goldsmith, B. E. McCracken, and O. N. Miller, Tulane Med-	11:25	53. The Determination of Dowtherm A in Fatty Acids
	ical School. SION G PS AND DETERGENTS Chairman: T. P. Matson, Continental Oil Company.		54. Determination of Polyoxyethylene (20) Sorbitan Monostearate in Cake, Cake Mixes, Icing and Cream Fillings
39.	Thermal Decomposition of Dimethyllaurylamine Oxide G. P. Shulman and W. E. Link, Archer-Daniels-	9:00	TUESDAY AFTERNOON SESSION I
40.	Midland Company. Analysis of Detergent Mixtures Containing Amine Oxides	9:20	SYMPOSIUM: DRUGS IN LIPID METABOLISM. Organized by Rodolpho Paoletti. Chairman: W. L. Holmes, Smith, Kline and French Laboratory.

55.	The Use of Thyroid Analogs in the Treatment of Patients with Hypercholesterolemia and Coronary Atherosclerosis	2:00	A. E. Rheineck and D. D. Zimmerman, North Dakota State University.
56.	The Action of Adrenal Hormones on Hepatic Transport of Triglycerides and Fatty Acids M. Heimberg, N. B. Fizette, and H. Klausner, Vanderbilt University.	2:35	WEDNESDAY MORNING SESSION L SYMPOSIUM: BINDING OF LIPIDS BY PROTEINS Chairman: D. G. Therriault, U. S. Army Research
57 .	Drugs and Lipid Transport	3:10	Institute of Environmental Medicine. 72. Phosphatidylserine-Bovine Serum Albumin Inter-
58.	Potentiation and Blockade of Some Drug Effects on Lipid Metabolism	3:45	actions 9:00 D. G. Therriault and J. F. Taylor, U. S. Army Research Institute of Environmental Medicine.
SES	SION J		73. Binding of Steroids to Proteins
FAT	AND OIL STABILITY Chairman: C. D. Evans, U. S. D. A., Northern Regional Research Laboratory.		74. Composition and Functional Role of Some Lipoproteins of Industrial Significance
59.	Research into Fat Rancidity by Gas-Liquid Chromatography	2:00	J. D. Mullen and D. E. Smith, General Mills, Inc. SESSION M
	P. A. T. Swoboda and C. H. Lea, University of Cambridge.		CHEMICAL DERIVATIVES
60.	Effects of Ionizing Radiations on Fats. II. Accumulation of Peroxides and Other Chemical		Chairman: E. Dunning, Archer-Daniels-Midland Company.
	Changes J. R. Chipault and G. Mizuno, The Hormel Institute.	2:20	75. Evaluation of Butyl Stearate, Butyl Oleate, Butyl Ricinoleate and Methyl Linoleate as Poly (Vinyl Chloride) Plasticizers
61.	Prooxidant Effect of Some Carbonyl Compounds in Vegetable Oils	2:40	G. R. Riser, F. W. Bloom and L. P. Witnauer, U.S.D.A., Eastern Regional Research Laboratory.
	R. H. Anderson and T. E. Huntley, General Mills, Inc.		76. The Preparation and Plasticizing Characteristics, the Piperidides of Long-Chain Fatty Aicds and
62.	A Light Test to Measure Stability of Edible Oils Helen A. Moser, C. D. Evans, and W. F. Kwolek, U.S.D.A., Northern Regional Research Laboratory.	3:00	R. R. Mod, F. C. Magne and E. L. Skau, U.S.D.A., Southern Regional Research Laboratory.
63.	The Flavor of Autoxidized Soybean Oil	3:20	77. Preparation of Alcohols from Fatty Cyclic Acids 9:40 E. W. Bell, J. P. Friedrich, L. E. Gast and J. C. Cowan, U.S.D.A., Northern Regional Research Laboratory.
64.	Relationship of Peroxide Value and Thiobarbituric Acid Value to Development of Undesirable Flavor Characteristics in Fats	3:40	78. Acid-Catalyzed Conversion of Epoxyesters to Hydroxyesters
65.	A Study of Methods for Evaluation of the Stabil-		 Reaction of Dichlorocarbene with Fats and Oils 10:20 H. E. Kenney, D. Komanowsky and A. N. Wrigley,
	W. D. Pohle, R. L. Gregory, T. J. Weiss, B. Van Giessen, J. R. Taylor and J. J. Ahern, Swift and Company.	4:00	W.S.D.A., Eastern Regional Research Laboratory. 80. Methanesulfonic Acid-Catalyzed Additions. IV. Additions to Methyl Linoleate
	SION K ING OILS	,	Eastern Regional Research Laboratory. 81. Purification of Aldehydes from Soybean Oil by
	Chairman: A. E. Rheineck, North Dakota State University.		Base Exchange Resins
00.	Surface Migration of Cobalt Driers in Protective Coatings J. H. Rolker, Jr., Spencer Kellogg Division of Textron Inc.	2:00	82. Preparation of Malondialdehyde Tetramethyl Acetal by Ozonolysis of Polyunsaturated Fatty Acids
67.	Novel Urethane Oils A. E. Rheineck and S. Shulman, North Dakota State University.	2:20	P. Fitton, E. H. Pryde and J. C. Cowan, U.S.D.A., Northern Regional Research Laboratory.
68.	Evaluation of Fatty Vinyl Ether Polymers and		SESSION N OILS AND FATS, PROCESSING AND UTILIZATION
	Styrenated Polymers for Metal Coatings B. G. Brand and H. O. Schoen, Battelle Memorial Institute; L. E. Gast and J. C. Cowan, U.S.D.A.,	2:40	Chairman: C. G. Youngs, National Research Council of Canada.
69.	Northern Regional Research Laboratory. The Relationship Between "Gas-Proofness" and	2.00	83. Recent Trends in Hydrogen Plant Technology 9:00 B. J. Mayland, R. L. Harvin and C. R. Trimarke, Girdler Corporation.
,	A. E. Rheineck and S. C. S. Peng, North Dakota State University.	3:00	84. Homogeneous Catalytic Hydrogenation of Unsaturated Fats: Cobalt Carbonyl
70.	Preparation and Properties of Some Water- Dispersible Industrial Coatings from Tung Oil	3:20	E. N. Frankel, V. L. Davison, E. Emken and H. J. Dutton, U.S.D.A., Northern Regional Re- search Laboratory.
71	D. L. Wood, L. L. Hopper, Jr. and F. G. Dollear, U.S.D.A., Southern Regional Research Laboratory.		85. Deuterium Tracer Studies of the Mechanism of Homogeneous Catalytic Hydrogenation of Sorbic
<i>,</i> 1.	Some Properties of the Glycerol Esters of the Isolated and Conjugated Cis, Trans Isomers of		Acid with Pentacyanocobaltate II

	H. J. Dutton, U.S.D.A., Northern Regional Research Laboratory.	
86.	The Effect on Margarine Texture of Crystal- lizing the Fat in the Disperse Phase	10:00
87.	N. V. Lovegren, B. Bradshaw and R. O. Feuge, U.S.D.A., Southern Regional Research Laboratory.	10:20
88.	Vernonia anthelmintica (L.). Willd. The Effect of Storage on the Epoxy Lipid Components of the Seed Oil	10:40
89.	Soybean Unsaponifiables: Hydrocarbons from Deodorizer Condensates	11:00
90.		11:20
	WEDNESDAY AFTERNOON	
	SION O	
MEA	AL AND SEED, PROCESSING AND UTILIZATION Chairman: L. V. Anderson, Minnesota Linseed Oil Paint Company.	1
91.	The Variability of Lysine and Available Lysine in and Nutritive Quality of Commercial Cotton-seed Meals F. L. Carter and V. L. Frampton, U.S.D.A., Southern Regional Research Laboratory.	2:00
92.	Mustard Seed Processing: Simple Methods for Following Heat Damage to Protein Meals J. E. McGhee, L. D. Kirk and G. C. Mustakas, U.S.D.A., Northern Regional Research Laboratory.	2:20



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93 .	of Oil or Trivernolin from the Seed	2:40
94.	Production and Nutritional Evaluation of Extrusion-Cooked Full-Fat Soybean Flour	3:00
95.	Genetic Control of Fatty Acid Biosynthesis in Rapeseed (Brassica Napus)	3:20
96.	Gas Chromatographic Determination of Residual Hexane in Hexane-Extracted Oilseed Flakes T. L. Black and G. C. Mustakas, U.S.D.A., North- ern Regional Research Laboratory.	3:40
97.	Determination of Foreign Materials of Plant Origin in Cotton Linters	4:00
98.	Hidden Oil Losses in the Cottonseed Crushing Industry W. Szutowicz, Producers Cotton Oil Company of Arizona.	4:20
99.	Studies of the Phospholipid-Glycolipid Complex of Wheat Endosperm	4:40
SES	SION P	
BIOL	Chairman: B. M. Craig, National Research Council of Canada.	
100.	Competitive Inhibition in the Metabolism of Polyunsaturated Acids	2:00
101.	Influence of EFA-Deficiency, EFA and Marine Oil Supplements on the Hypercholesteremia of Rats. The Effects of Total Unsaturation	2:20
102.	Studies on the Metabolism of Linoelaidic Acid in the Essential Fatty Acid-Deficient Rat	2:40
103.	Relations Between Amounts of Dietary and Body Fatty Acids in Mice B. M. Craig and J. M. Bell, National Research Council of Canada.	3:00
104.	The Relationship of Single Dietary Polyunsaturated Acids to the Fatty Acid Composition of Lipids from Subcellular Particles and Unfractionated Tissues	3:20
105.	Structural Analyses of the Depot and Dietary Fats of Rats Fed Fresh and Oxidized Cottonseed and Olive Oils H. Kaunitz, R. E. Johnson, M. L. Blank and O. S. Privett, Columbia University and The Hormel Institute.	3:40
106.	Platelet Phosphatides, Their Separation, Fatty Acid Composition and Clotting Activity V. Mahadevan, E. Cubero and W. O. Lundberg, The Hormel Institute.	4:00
107.	Interconversions of Long-Chain Fatty Acids in the Rat	4:20
108.	Lenticular Phospholipids of Experimental Animals	4:40