

*B. Thurgood
Charlotte Nottel #529*

FORTY-THIRD ANNUAL MEETING

Industrial

Medical Association

• Pages 32-41

NINETEENTH ANNUAL MEETING

American

Industrial Hygiene Association

• Pages 12-28

TWENTIETH ANNUAL MEETING

American Conference of
Governmental Industrial Hygienists

• Pages 8-11

SIXTEENTH ANNUAL MEETING

American

Association of Industrial Nurses, Inc.

• Pages 42-46

FIFTEENTH ANNUAL MEETING

American

Association of Industrial Dentists

• Pages 29-31

1958 INDUSTRIAL HEALTH CONFERENCE

April 19th to April 25th, 1958

Atlantic City, New Jersey • Convention Hall

PLAINTIFF'S EXHIBIT

MET-194

REGISTRATION AND MEETING ROOM INFORMATION

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Registration for Conference

Sunday, April 20 Claridge Hotel (for A.C.G.I.H. and A.I.H.A.)
Haddon Hall (I.M.A., A.A.I.N., A.A.I.D.) 9:00 a.m.—6:00 p.m.

Monday, April 21 through Thursday, April 24
Convention Hall 8:30 a.m.—5:00 p.m.

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Registration Fee—A.C.G.I.H. and A.I.H.A. \$3.00
I.M.A., A.A.I.N., A.A.I.D. \$5.00

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Color of Registration Cards and Badges:

Blue — Industrial Medical Association
Green — American Conference of Governmental Industrial Hygienists
Yellow — American Industrial Hygiene Association
Pink — American Association of Industrial Nurses
Salmon — American Association of Industrial Dentists
Purple — Exhibitors

★

Technical Exhibits

Tuesday, April 22, and Wednesday, April 23, 8:30 a.m.—6:00 p.m.
Thursday, April 24, 8:30 a.m.—1:00 p.m.

★

Scientific Exhibits

See Page 47—same schedule as Technical Exhibits.

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Meeting Room Locations

CONVENTION HALL—

Rear of Auditorium—MAIN FLOOR
Stage (Middle)—Room A (left)—Room B (right)—Room C (forward right)—Room D (forward left)
THIRD FLOOR—Rooms 20 and 21 (forward North)
Exhibits—Main Floor Arena

LADIES' HEADQUARTERS—

Claridge Hotel—Trophy Room, Haddon Hall—Sun Porch
Sunday noon, April 20 to Friday noon, April 25

1959 Conference Planning Meeting will be held Friday morning, April 25, Haddon Hall, Mandarin Room; 8:00 breakfast.

SUMMARY OF MEETINGS

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KEY — ACGIH — American Conference of Governmental Industrial Hygienists
AIEA — American Industrial Hygiene Association
IMA — Industrial Medical Association
AIIN — American Association of Industrial Nurses
AIID — American Association of Industrial Dentists

[illegible]

Saturday, April 19th	ACGH	9	9	9
Sunday, April 20th	ACGH	9	9	—
	IMA	34	34	—
Monday, April 21st	ACGH	9-10	10	—
	AIRA	15	15	15
	AAID	30	30	30
	IMA	34	—	34
Tuesday, April 22nd	ACGH	11	11	11
	AIRA	15	15-16	—
	AAID	31	31	—
	IMA	35-36	36-37	—
	AAIN	44	44-45	45
Wednesday, April 23rd	AIRA	15-16	16	17-18
	AAID	31	—	—
	IMA	37-38	39	39
	AAIN	45	45	—
Thursday, April 24th	AIRA	18-19-20-21	22-23-4-5	—
	IMA	39-40	41	—
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1958 INDUSTRIAL HEALTH CONFERENCE

★

Atlantic City, New Jersey
April 19-25, 1958

★

General Chairman—H. W. Lawrence, M.D.

Deputy General Co-Chairmen
C. Scott McKinley, M.D.
N. V. Hendricks

★

Conference Chairmen

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Industrial Medical Association

William B. McLeath, R.N.

American Association of Industrial Nurses

K. W. Maher, D.D.S.

American Association of Industrial Dentists

William R. Bradley

American Industrial Hygiene Association

Miriam Sachs, M.D.

American Conference of Governmental Industrial Hygienists

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Industrial Medical Association

Lillian Dillard, R.N.

American Association of Industrial Nurses

Alan H. Greenwood, D.D.S.

American Association of Industrial Dentists

Kenneth W. Nelson

American Industrial Hygiene Association

Charles E. Couchman

American Conference of Governmental Industrial Hygienists

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Walter B. Elvers, D.D.S.

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Allan E. Dooly

American Industrial Hygiene Association

E. Lynn Schall

American Conference of Governmental Industrial Hygienists

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Leonard S. Morvay, D.D.S.

American Association of Industrial Dentists

Paul E. Morrow, Ph.D.

American Industrial Hygiene Association

Tula S. Breard

American Conference of Governmental Industrial Hygienists

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Industrial Medical Association

Jane W. Voscek, R.N.

American Association of Industrial Nurses

Harry H. Dougherty, D.D.S.

American Association of Industrial Dentists

Arthur C. Pabst

American Industrial Hygiene Association

Harold J. Paulus, Ph.D.

American Conference of Governmental Industrial Hygienists

★

Edward C. Holmblad, M.D., Managing Director
Stephen G. Halos, Director of Exhibits

AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

★

TWENTIETH ANNUAL MEETING

Atlantic City, New Jersey

April 19-22, 1958

★

Officers

Thomas F. Mancuso, M.D., Chairman
Ohio Department of Health
Columbus, Ohio

Charles E. Coechnan, Chairman-Elect
Baltimore City Health Department
Baltimore, Maryland

William G. Fredrick, D.Sc., Past-Chairman
Detroit Department of Health
Detroit, Michigan

Allen L. Coleman
Connecticut State Department of Health
Hartford, Connecticut

Jack Ballig
New York State Department of Labor
New York, New York

Elizabeth A. Neubert
Tennessee Department of Public Health
Nashville, Tennessee

Charles D. Yaffe, Secretary-Treasurer
Occupational Health Field Headquarters
U. S. Public Health Service
1014 Broadway, Cincinnati 2, Ohio

★

Conference Chairman

Miriam Sachs, M.D., New Jersey State Department of Health,
Trenton, New Jersey

Program—Charles E. Coechnan, Baltimore City Health Department,
Baltimore, Maryland

Arrangements—E. Lyna Schall, New Jersey State Department of
Health, Trenton, New Jersey

Publicity—Tula S. Brocard, U. S. Public Health Service, Washington,
D.C.

Scientific Exhibits—Harold J. Paulus, Ph.D., University of Minnesota,
Minneapolis, Minnesota

SATURDAY, APRIL 19

(Claridge Hotel—see bulletin board)

9:00 a.m.-5:00 p.m.—Meeting of Standing Committees

6:00 p.m.—Dinner Meeting, Executive Committee

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SUNDAY, APRIL 20

(Claridge Hotel—see bulletin board)

9:00 a.m.—Registration—Claridge Hotel

9:30 a.m.-12:30 p.m.—Round Table Discussions:

Chemists—Mr. Walter R. Halpin and Mr. Robert G. Keenan,
Co-chairmen

Engineers—Mr. Andrew D. Hoesy and Mr. Raymond Smith,
Co-chairmen

Nurses—Miss Erica J. Kechler and Mrs. Mabelle J. Markee,
Co-chairmen

Physicians—Dr. Donald J. Birmingham and Dr. R. R. Sayers,
Co-chairmen

1:30 p.m.-3:00 p.m.—Public Health Service Progress Reports

3:00 p.m.-5:00 p.m.—Continuation of Round Table Discussions

Concurrent with—

Meeting of Directors of State and Local Industrial Hygiene
Programs only, with Staff Members of Occupational Health
Program, U. S. Public Health Service

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MONDAY, APRIL 21

8:30 a.m.—Registration—Convention Hall

9:00 a.m.—General Session—Room B

Welcome: Dr. Thomas F. Mancuso, Chairman, ACGIH

9:02 a.m.—The Occupational Health Program in Peru — Dr.
Frederick J. Vlasimer and Dr. Ramon Valenzuela, Institute of
Occupational Health, Lima, Peru

9:30 a.m.—Recent Industrial Hygiene Developments in Canada—
Dr. Kingsley Kay, Department of National Health and Welfare,
Ottawa, Canada

10:00 a.m.—Intermission

10:05 a.m.—Business Session including Discussion of Committee
Reports:

1300 p.m. 4:00 p.m. to 4:30 p.m. in the afternoon

Yuba

Worker Health Information—Dr. Miriam Sachs, New Jersey Department of Health, Chairman
Threshold Limits—Mr. Allen L. Coleman, Connecticut Department of Health, Chairman
Standard Labeling Procedures—Dr. Hervey B. Eklins, Massachusetts Department of Labor and Industries, Chairman
Small Plant Health Services—Dr. Joseph J. Slaper, Connecticut State Department of Health, Chairman
Recommended Analytical Methods—Mr. Robert G. Keenan, U. S. Public Health Service, Chairman
Ionizing Radiation—Mr. D. E. Van Parowe, Michigan Department of Health, Chairman
Industrial Ventilation—Mr. George M. Hanna, Detroit Department of Health, Chairman
Industrial Hygiene Records and Reports—Miss Victoria M. Trauba, U. S. Public Health Service, Chairman
Industrial Hygiene Codes and Regulations—Mr. Andrew D. Hecoy, U. S. Public Health Service, Chairman
Awards—Dr. Ralph R. Sullivan, Oregon State Board of Health, Chairman
Air Sampling Instruments—Mr. Irving H. Davis, Michigan Department of Health, Chairman
Air Pollution—Mr. Bernard D. Bloomfield, Michigan Department of Health, Chairman
Agricultural Health—Dr. William H. Clark, California Department of Public Health, Chairman
Epidemiology of Occupational Diseases—Dr. J. Walter Meigs, Yale University, Chairman

★

Monday Afternoon

General Session Convention Hall, Room B
2:00 p.m.—Highlights of Industrial Hygiene in the Armed Services—Far East—R. Ellridge Merrill, Jr., 8th Epidemiological Flight, U. S. Air Force
2:30 p.m.—An Occupational Health Program for a University—George S. Michelson, University of Minnesota
3:00 p.m.—Intermission
3:30 p.m.—The Pennsylvania Radiation Protection Program and Its Application to Shoe-Fitting Fluoroscopes—Dr. Jan Lieben, Pennsylvania Department of Health
4:00 p.m.—Labeling Requirements for Toxic Substances—The Governmental Industrial Hygienists' Viewpoint—Dr. Hervey B. Eklins, Massachusetts Department of Labor and Industries
4:30 p.m.—The Chemical Industry and Precautionary Labeling—Dr. Thomas W. Nale, Medical Director, Union Carbide Corporation, New York, New York

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TUESDAY, APRIL 22

General Session Convention Hall, Stage Room
9:00 a.m.—Public Health Experiences with Economic Poisons in Texas (Practical Lessons Learned)—Dr. W. L. Wilson, Texas Department of Health
9:30 a.m.—Calibration of Air Velometers—George M. Hanna, Detroit Department of Health
9:50 a.m.—Intermission—Visit Exhibits
10:20 a.m.—Microwave Radiation Hazards—Lt. Col. L. C. MacMurray, Lt. Col. R. J. Debus and Dr. Robert H. Degrad, U. S. Army Environmental Health Laboratory, Army Chemical Center, Maryland
10:50 a.m.—Summary Seminar Reports
11:00 a.m.—Business Meeting

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Tuesday Afternoon

Joint Session, ACGIH and AIHA — Convention Hall, Stage Room
Co-chairmen: Dr. Thomas F. Macauley, Ohio Department of Health and Dr. John A. Spence, Standard Oil Company of California
2:00 p.m.—A Venezuelan Approach to Industrial Hygiene—Erich Schmidt-Smith, Ministry of Health, Caracas, Venezuela
2:30 p.m.—Industrial Noise and Hearing Loss in a Controlled Population—First Report of Findings—Charles D. Yaffe and Herbert H. Jones, U. S. Public Health Service, and Edward S. Weber, Allegheny County Health Department
3:00 p.m.—Intermission—Visit Exhibits
3:30 p.m.—Re-evaluation of the Pneumococcal Problem in the United States—Henry N. Doyle, Dr. Robert H. Filkins and Dr. W. C. Dressman, U. S. Public Health Service
4:00 p.m.—Control of Potential Radiation Hazards at the Raleigh Reactor—Dr. E. Jack Story, Radiological Safety Officer, North Carolina State College

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Tuesday Evening

6:30 p.m.—ACGIH 20th ANNIVERSARY DINNER—Smithville Inn, State Highway Route 9, Smithville, New Jersey. \$4.00 including gratuity but no transportation, or \$4.75 including round trip transportation.
Speaker: J. J. Bloomfield
Topic: What the ACGIH Has Done for Industrial Hygiene

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AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

★

NINETEENTH ANNUAL MEETING

Atlantic City, New Jersey

April 21-25, 1958

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Officers

Charles E. Williams, Ph.D., President
Liberty Mutual Insurance Company, Boston, Massachusetts

Kenneth W. Nelson, President-Elect
American Smelting & Refining Company, Salt Lake City, Utah

Leslie V. Cralley, Ph.D., Past President
Aluminum Company of America, Pittsburgh, Pennsylvania

William G. Fredrick, Sc.D., Secretary
Detroit Department of Health, Detroit, Michigan

Joseph F. Trean, Ph.D., Treasurer
Atlas Powder Company, Wilmington, Delaware

George D. Clayton, Executive Secretary
14125 Prevost, Detroit, Michigan

★

Directors

Radney E. Beard, M.D.
Stanford Medical School, San Francisco, California

G. H. Collings, Jr., M.D.
Crane Company, Chicago, Illinois

Merrill Eisenbud
U. S. Atomic Energy Commission, New York, New York

John J. Ferry
General Electric Company, Schenectady, New York

R. C. Byatt
Los Alamos Scientific Laboratory, Los Alamos, New Mexico

N. V. Hendricks
Esso Research and Engineering Company, Linden, New Jersey

Kenneth M. Merce
United States Steel Corporation, Pittsburgh, Pennsylvania

Norton Nelson, Ph.D.
New York University Medical Center, New York, New York

Verald K. Rowe
Dow Chemical Company, Midland, Michigan

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Leslie Silverman, Sc.D.
Harvard School of Public Health, Boston, Massachusetts

Charles D. Yaffe
U. S. Public Health Service, Cincinnati, Ohio

★

Conference Committees

N. V. Hendricks, Deputy General Co-chairman
Esso Research and Engineering Company, Linden, New Jersey

William R. Bradley, Chairman
American Cyanamid Company, New York, New York

Manfred Bowditch
Lead Industries Association, New York, New York

Robert P. Gleason
Sylvania Electric Products Inc., New York, New York

Howard N. Schuls
American Medical Association, Chicago, Illinois

Frederic C. Shiner
New Jersey State Department of Health,
Trenton, New Jersey

George M. Wilkening
Esso Standard Oil Company, Florham Park, New Jersey

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Arrangements Committee

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The Texas Company, New York, New York

George F. Bittner
Inland Steel Company, East Chicago, Indiana

E. Lynn Schall
New Jersey State Department of Health,
Trenton, New Jersey

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Employers Mutual Liability Insurance Company,
New York, New York

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Union Carbide Corporation, New York, New York

Frederick W. Sands
U. S. Rubber Company, New York, New York

Jerome T. Siedlecki
American Brake Shoe Company, Chicago, Illinois

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Entertainment Committee

Alfred J. Bredin, Chairman
U. S. Atomic Energy Commission, New York, New York
J. A. Calhoun, M.D.
American Viscose Corporation, Philadelphia, Pennsylvania
William T. McCormack
Inland Steel Company, East Chicago, Indiana

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Scientific Exhibits Committee

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Secor Oil Company, New York, New York
Clark D. Bridges
Industrial Medical Association, Chicago, Illinois
H. Bringer, M.D.
Jefferson Medical College, Philadelphia, Pennsylvania

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Rochester, New York
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Linden, New Jersey
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Mine Safety Appliances Company, Long Island, New York
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University of California School of Medicine,
San Francisco, California
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Mine Safety Appliances Company,
Pittsburgh, Pennsylvania
George S. Reichenbach
Bethlehem Steel Company, Sparrows Point, Maryland

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A. T. Roess, Ph.D.
U. S. Public Health Service, Cincinnati, Ohio
Harry F. Schalle
Los Alamos Scientific Laboratory,
Los Alamos, New Mexico
Grand S. Wines, Ph.D.
American Smelting & Refining Company,
Salt Lake City, Utah

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MONDAY, APRIL 21

9:00 a.m.
Meeting of Technical Committees Claridge Hotel
Analytical Chemistry Trimble Hall
Hygienic Guides Board Room
Noise Park Lounge
Radiation Trimble Hall
Toxicology Trimble Hall
12:00 Noon—Local Section Council Luncheon—Claridge Hotel,
West Room
1:30 p.m.—Board of Directors Meeting—Claridge Hotel, East
Room
6:30 p.m.—Board of Directors Dinner—Claridge Hotel, West
Room

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TUESDAY, APRIL 22

8:30 a.m.—Registration, Convention Hall
9:00 a.m.—Meetings: Technical Committee on Air Pollution—
Claridge Hotel, Park Lounge; Technical Committee on Engi-
neering (See Bulletin Board, Claridge Hotel)
9:30 a.m.—Meeting, Chairman of Technical Committees—Claridge
Hotel, Park Lounge

★

Tuesday Afternoon

Joint Session, AIHA-ACGIH—Stage of Convention Hall
Co-chairmen—Thomas F. Mancoske, M.D., Ohio State Department
of Health, Columbus, Ohio, and John A. Spence, Ph.D.,
Standard Oil Company of California, San Francisco, Cal-
ifornia

Paper No. 1

2:00 p.m.—A Venezuelan Approach to Industrial Hygiene—Erich
Schmidt-Smith, Ministry of Health, Caracas, Venezuela

Paper No. 2

2:30 p.m.—Industrial Noise and Hearing Loss in a Controlled
Population—First Report of Findings—Charles D. Yaffe
and Herbert H. Jones, Public Health Service, Department of
Health, Education, and Welfare, Cincinnati, Ohio, and
Edward S. Weiss, Allegheny County Health Department,
Pittsburgh, Pennsylvania

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3:00 p.m.—Intermission—Visit Exhibits

Paper No. 3
 3:30 p.m.—Re-evaluation of the Pneumoconiosis Problem in the United States—Henry N. Boyle, Robert H. Filer, M.D., and W. C. Drexler, M.D., Public Health Service, U. S. Department of Health, Education, and Welfare, Washington, D. C.

Paper No. 4
 4:00 p.m.—Control of Potential Radiation Hazards at the Raleigh Reactor—E. Jack Stier, Ph.D., North Carolina State College of Agriculture and Engineering, University of North Carolina, Raleigh, North Carolina

★
 Employment Service for AIHA members and employers seeking industrial hygienists—call at AIHA Information Booth, Convention Hall, for information.

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 Wednesday Afternoon
 1:00-2:30 p.m.—Annual Business Meeting of The American Industrial Hygiene Association—Stage of Convention Hall
 General Session—Stage of Convention Hall
 Co-chairmen—John F. Ege, Jr., Argonne National Laboratory, Lemont, Illinois, and Ralph G. Smith, Ph.D., Wayne State University, Detroit, Michigan

Paper No. 11
 2:30 p.m.—Occupational Health Program during Continental Nuclear Weapons Tests—William S. Johnson, Reynolds Electrical and Engineering Company, Inc., Mercury, Nevada

Paper No. 12
 2:50 p.m.—New Instrumental Techniques for Evaluating Environmental Exposures—N. A. Talvile, Public Health Service, U. S. Department of Health, Education, and Welfare, Cincinnati, Ohio

Paper No. 13
 3:10 p.m.—Operational, Emotional and Legal Problems in the Application of Maximum Permissible Radiation Doses—Hassam Blatz and W. B. Harris, Health and Safety Laboratory, U. S. Atomic Energy Commission, New York, New York

3:30 p.m.—Intermission—Visit Exhibits

Paper No. 14
 3:50 p.m.—Observations on Industrial Hygiene Practice in Europe—T. P. Hatch, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pennsylvania

Paper No. 15
 4:10 p.m.—The Effect of an Inert Aerosol on the Respiratory Response to Formaldehyde—Mary O. Amdur, Ph.D., School of Public Health, Harvard University, Boston, Massachusetts

Paper No. 16
 4:30 p.m.—Upper Limits of Thermal Stress for Workmen—Edward J. Largent and William F. Ahe, M.D., Department of Preventive Medicine, Ohio State University College of Medicine, Columbus, Ohio

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 Wednesday Evening
 6:30 p.m.—AMERICAN INDUSTRIAL HYGIENE ASSOCIATION ANNUAL BANQUET—Trimble Hall, Claridge Hotel

3:00 p.m.—Intermission—Visit Exhibits

Paper No. 3
 3:30 p.m.—Re-evaluation of the Pneumoconiosis Problem in the United States—Henry N. Boyle, Robert H. Filer, M.D., and W. C. Drexler, M.D., Public Health Service, U. S. Department of Health, Education, and Welfare, Washington, D. C.

Paper No. 4
 4:00 p.m.—Control of Potential Radiation Hazards at the Raleigh Reactor—E. Jack Stier, Ph.D., North Carolina State College of Agriculture and Engineering, University of North Carolina, Raleigh, North Carolina

★
 Employment Service for AIHA members and employers seeking industrial hygienists—call at AIHA Information Booth, Convention Hall, for information.

★
 WEDNESDAY, APRIL 25
 General Session—Stage of Convention Hall
 Co-chairmen—Lester V. Gailley, Ph.D., Aluminum Company of America, Pittsburgh, Pennsylvania, and Elmer F. Wheeler, Monsanto Chemical Company, St. Louis, Missouri

9:00 a.m.—Welcome—Charles R. Williams, Ph.D., Liberty Mutual Insurance Company, Boston, Massachusetts, AIHA President

Paper No. 5
 9:45 a.m.—Organic Mercury—Environmental Exposure, Excretion and Prevention of Intoxication in its Manufacture—E. B. Dumas, M.D., D.Sc., Department of Preventive Medicine, The Ohio State University, Columbus, Ohio (formerly fellow in Industrial Medicine, Kettering Laboratory, University of Cincinnati, Cincinnati, Ohio), E. E. Evans, M.D., and A. L. Lisch, E. I. du Pont de Nemours and Company, Inc., Penna Grove, New Jersey

Paper No. 6
 9:00 a.m.—Chemical Constitution and the Toxic Action of Narcosis—Emil A. Pfitzer, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pennsylvania

10:15 a.m.—Intermission—Visit Exhibits

Paper No. 7
 10:45 a.m.—Air Pollution and the Public Health—Excerpts from the Harben Lectures Given before the Royal Institute of Public Health and Hygiene, London, May, 1967—Philip Drinker, D.Sc., School of Public Health, Harvard University, Boston, Massachusetts

Paper No. 8
 11:05 a.m.—Evidentiary Problems in Proving Radiation Injury—Gerald L. Hutton, U. S. Atomic Energy Commission, Washington, D. C.

Paper No. 9
 11:25 a.m.—Industrial Hygiene Experiences with Toluene Dithiocyanates—Herbert T. Walworth and Warren E. Virehow, Lumbermens Mutual Casualty Company, Chicago, Illinois

8:00 p.m.—Presentation of Honorary Membership to Dr. A. J. Lanza, New York University Medical Center, New York, New York
 —Presentation of Donald E. Cummings Memorial Award to J. J. Bloomfield, Institute of Inter-American Affairs, Lima, Peru

—Donald E. Cummings Memorial Lecture—Major General James P. Conroy (MC), USA, Deputy Surgeon General, Department of the Army, Washington, D. C.

★ THURSDAY, APRIL 24

7:30 a.m.—Past Presidents' Breakfast — East Room, Claridge Hotel

★
 Concurrent Session—AIR POLLUTION—Stage, Convention Hall
 Session Arranger—William A. Mearns, New Jersey State Department of Health, Trenton, New Jersey
 Co-chairmen—Raymond Smith, City of Philadelphia Air Pollution Control Section, Philadelphia, Pennsylvania, and Joseph P. Miller, Jr., American Cyanamid Company, Linden, New Jersey

Paper No. 17
 9:00 a.m.—Air Pollution Control in New Jersey—A Progress Report of the New Jersey Air Pollution Control Commission—William E. Bradley, Chairman, New Jersey Air Pollution Control Commission, American Cyanamid Company, New York, New York

Paper No. 18
 9:20 a.m.—The Application of Simplified Techniques to Air Pollution Measurements—E. E. Hendrickson, Ph.D., Engineering and Industrial Experiment Station, University of Florida, Gainesville, Florida

Paper No. 19
 9:40 a.m.—Air Pollution Problems in Petroleum Refining—Frank J. Ellis, Secony Mobil Oil Company, Inc., Paulsboro, New Jersey

Paper No. 20
 10:00 a.m.—Studies on Smog Produced in Irradiated Reaction Chambers—E. W. Shertridge, Ph.D., F. V. Merrin, Ph.D., C. C. Balze and E. E. Horton, Jr., Midwest Research Institute, Kansas City, Missouri

Paper No. 21
 10:20 a.m.—Business Session
 10:25 a.m.—Intermission—Visit Exhibits
 Paper No. 22
 10:45 a.m.—The Effects of Air Pollution on Human Health—J. J. Phair, M.D., D.P.H., G. C. R. Carey, M.B., D.P.H., and R. J. Shephard, M.B., Ph.D., University of Cincinnati College of Medicine, Cincinnati, Ohio

Paper No. 23
 11:05 a.m.—The Relationship between the Concentration of Sulfur Dioxide and That of Particulate Matter in the Atmosphere—J. Chelak, L. J. Schaefer, W. J. Yeomier, and D. Yeager, University of Cincinnati College of Medicine, Cincinnati, Ohio

Paper No. 23

11:25 a.m.—The Occurrence of Phenols in Air and Combustion Products—Ralph C. Smith, Ph.D., and James D. MacEwen, Wayne State University College of Medicine, Detroit, Michigan

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Thursday Morning

Concurrent Session—CHEMICAL AND ANALYTICAL—Room D, Convention Hall

Session Arranger—William H. Hill, Ph.D., Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pennsylvania

Co-chairmen—Donald M. Ross, Sc.D., University of Pittsburgh, and Urbane C. Pezzani, Mellon Institute, Pittsburgh, Pennsylvania

Paper No. 24

9:00 a.m.—A Solenoid Operated Microburet for Producing Uniform Droplets—Gabrielle Assot, U. S. Army Chemical Warfare Laboratories, Army Chemical Center, Maryland

Paper No. 25

9:20 a.m.—Evaluation of Methods for the Determination of Halogenated Hydrocarbons in Air—Evan E. Campbell, Merrile F. Milligan, Ph.D., and Helen M. Miller, Los Alamos Scientific Laboratory, Los Alamos, New Mexico

Paper No. 26

9:40 a.m.—Method for Determining Ozone—Spencer R. Watts and Edward J. Baker, Division of Industrial Hygiene, Pennsylvania Department of Health, Harrisburg, Pennsylvania

Paper No. 27

10:00 a.m.—Analytical Methods for Phenols in Air—Ralph G. Smith, Ph.D., and Robert E. Harrow, Wayne State University, Detroit, Michigan

10:20 a.m.—Business Session

10:25 a.m.—Intermission—Visit Exhibits

Paper No. 28

10:50 a.m.—Field Type Colorimetric Testers for Gases and Particulate Matter—Paul W. McConaughy, Mine Safety Appliances Company, Pittsburgh, Pennsylvania

Paper No. 29

11:10 a.m.—A Dynamic Apparatus for Preparing Air-Vapor Mixtures of Known Concentrations—Richard F. Scherberger, Glenn P. Hopp, Franklin A. Miller, David W. Farnett, M.D., Eastman Kodak Company, Rochester, New York

Paper No. 30

11:30 a.m.—Colorimetric Determination of Boron Hydrides by Means of Phosphonolydic Acid—William H. Hill, Ph.D., Jean M. Merrill, Russell H. Larsen, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pennsylvania; David L. Hill and James F. Henscock, U. S. Army Chemical Warfare Laboratories, Army Chemical Center, Maryland

Thursday Morning

Concurrent Session—ENGINEERING—Room B, Convention Hall
Session Arranger—V. H. Kindavatter, Ph.D., Philadelphia Navy
Yard, Philadelphia, Pennsylvania

Co-chairmen—J. C. Radcliffe, Ford Motor Company, Dearborn,
Michigan, and James F. Morgan, The Pennsylvania Rail-
road, Philadelphia, Pennsylvania

Paper No. 31

9:00 a.m.—Two Unique Ventilating Systems for Control of Meth-
anol Vapor from Duplicating Operations—D. J. Ressemer
and J. B. McElhinney, Industrial Hygiene Division, Puget
Sound Naval Shipyard, Bremerton, Washington

Paper No. 32

9:20 a.m.—Free Silica Dust Concentrations Measured in Nine
Brick Manufacturing Plants—William J. Schreibeis, Indus-
trial Hygiene Foundation, Pittsburgh, Pennsylvania, and
Les Schreibeis, Jr., Allegheny County Health Department,
Pittsburgh, Pennsylvania

Paper No. 33

9:40 a.m.—Ventilation of Large Industrial Buildings under Heat
Load—Fred E. Tucker, Weirton Steel Company, Weirton,
West Virginia

Paper No. 34

10:00 a.m.—Health Hazards Associated with Rolling Normal and
Enriched Uranium—Evaluation and Control—E. C. Hyatt,
Los Alamos Scientific Laboratory, Los Alamos, New Mexico

10:20 a.m.—Business Session

10:30 a.m.—Internation—Visit Exhibits

Paper No. 35

11:00 a.m.—Health Hazards and Control of an Epoxy Resin Oper-
ation—W. H. Kingsley, Sandia Corporation, Albuquerque, New
Mexico

Paper No. 36

11:20 a.m.—Testing Laboratory Hoods — Evaluation of Design
Changes and Periodic Performance Testing—N. H. Katcham,
Union Carbide Chemicals Company, South Charleston, West
Virginia

Paper No. 37

11:40 a.m.—Lead-in-Air Analyzer, Specialized "Uni-Jet" Air
Sampling Kit—T. Dowling and E. B. Davis, E. I. du Pont
de Nemours and Company, Inc., Wilmington, Delaware, and
R. C. Charaba and A. L. Linch, E. I. du Pont de Nemours
and Company, Inc., Penns Grove, New Jersey



Thursday Morning

Concurrent Session—TOXICOLOGY—Room A, Convention Hall
Session Arranger—Edward D. Palmes, Ph.D., Institute of Indus-
trial Medicine, New York University Medical Center, New
York, New York

Co-chairmen—Charles F. Carpenter, Ph.D., Mellon Institute, Pitts-
burgh, Pennsylvania, and Joseph F. Treese, Ph.D., Chemical
Research Department, Atlas Powder Company, Wilmington,
Delaware

Paper No. 38

9:00 a.m.—The Sub-Acute and Chronic Toxicity of 1,1-Dimethyl-
hydrazine Vapor—William E. Kinchart and Earle A. Greene,
U. S. Army Chemical Warfare Laboratories, Army Chemi-
cal Center, Maryland

Paper No. 39

9:15 a.m.—The Toxicity of Dibromotetrafluoroethane (Freon
18B1) and that of the Products of its Partial Thermal
Decomposition when Breathed by Experimental Animals—
Joseph F. Treese, Ph.D., Frank P. Cleveland, M.D., Edwin R.
Larson, and John Cappel, Kettering Laboratory, University
of Cincinnati, Cincinnati, Ohio

Paper No. 40

9:30 a.m.—Toxicity of 1,1,1-Trichloroethane as Determined on Ex-
perimental Animals—T. E. Teitelbaum, F. Oyen, D. D. Mc-
Collister and V. K. Rowe, Biochemical Research Laboratory,
The Dow Chemical Company, Midland, Michigan

Paper No. 41

9:45 a.m.—The Toxicology of Alkyl Alcohol—M. K. Dunlap,
D.V.M., J. K. Kodama, Ph.D., E. H. Anderson, M.D., and
C. H. Hise, M.D., Ph.D., University of California School of
Medicine, San Francisco, California

10:00 a.m.—Business Session

10:15 a.m.—Internation—Visit Exhibits

Paper No. 42

10:45 a.m.—Toxicological Testing of Chemical Specialties Used in
Household and Plant Maintenance—Bernard L. Oser, Ph.D.,
Food and Drug Research Laboratories, Inc., New York, New
York

Paper No. 43

11:00 a.m.—Toxicological Studies on Hydrocarbons—Biochemomor-
phology of the Phenylalkanes and Phenylalkenes—Horace
W. Gerarde, M.D., Ph.D., Esso Research and Engineering
Company, Linden, New Jersey

Paper No. 44

11:15 a.m.—Increase in the Magnesium Activated Fraction of
Serum Alkaline Phosphatase as an Indicator of Toxic Re-
sponses—John T. Meentem, Fulton R. Steckell, Jr., Lester
B. Scheel, Ph.D., and Arthur E. Cohen, M.D., Occupational
Health Program, Bureau of State Services, Public Health
Service, U. S. Department of Health, Education, and Wel-
fare, Cincinnati, Ohio

Paper No. 45

11:30 a.m.—Decaborane Effects upon Yeast Metabolism—George
J. Levinthal, Ph.D., and Marian K. Paslan—Department of
Occupational Health, Graduate School of Public Health,
University of Pittsburgh, Pittsburgh, Pennsylvania

Paper No. 46

11:45 a.m.—Environmental Temperature and Toxicity of Drugs—
Grady E. Lanier, D.V.M., and Wm. B. Deichmann, Ph.D.,

with the assistance of Davis Gates, Department of Pharmacology, University of Miami School of Medicine, Coral Gables, Florida

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Employment Service for AIHA members and employers seeking industrial hygienists—call at AIHA Information Booth, Convention Hall, for information.

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Thursday Afternoon

Concurrent Session—AIR POLLUTION—ENGINEERING—Stage, Convention Hall

Session Arrangers—William A. Mearns, New Jersey State Department of Health, Trenton, New Jersey, and V. M. Kinschler, Ph.D., Philadelphia Naval Shipyard, Philadelphia, Pennsylvania

Co-chairmen—Bernard D. Bloomfield, Michigan Department of Health, Lansing, Michigan, and John P. Brady, Edell Laboratories, Newark, New Jersey

Paper No. 47

2:40 p.m.—Recent Developments in High Temperature Filtration—J. E. Graham, Buffalo Forge Company, Buffalo, New York, and M. W. Frost, Sc.D., Consulting Engineer, Newton Centre, Massachusetts

Paper No. 48

2:40 p.m.—Folien Removal by Air Filters—Leslie Silverman, Sc.D., and Richard Deane, Harvard School of Public Health, Boston, Massachusetts

Paper No. 49

2:40 p.m.—A New Technique for Fabric Filter Evaluation—A. E. Rose, David G. Stephens, Paul Bohmeyer, E. A. Herrick, and George Walsh, Robert A. Taft Sanitary Engineering Center, U. S. Department of Health, Education and Welfare, Cincinnati, Ohio

Paper No. 50

3:00 p.m.—The Adhesion and Removal of Particles Attached to Air Filter Surfaces—Ralph I. Larsen, Ph.D., Robert A. Taft Sanitary Engineering Center, U. S. Department of Health, Education, and Welfare, Cincinnati, Ohio

3:20 p.m.—Intermission—Visit Exhibits

Paper No. 51

3:40 p.m.—Sampling of Particulate Matter in Effluent Gases—E. W. Warner, Public Service Electric and Gas Testing Laboratory, Maplewood, New Jersey

Paper No. 52

4:00 p.m.—The Application of Atmospheric Diffusion Formulas—Raymond C. Wanta, Robert A. Taft Sanitary Engineering Center, U. S. Department of Health, Education, and Welfare, Cincinnati, Ohio

Paper No. 53

4:20 p.m.—Community Air Pollution Sources—Henry C. Woblers, Stanford Research Institute, Menlo Park, California

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Paper No. 54

4:40 p.m.—Atmospheric Particulate Background in Rural Environments—Frank E. Adley and Wallace E. Gill, General Electric Company, Richland, Washington

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Thursday Afternoon

Concurrent Session—CHEMICAL AND ANALYTICAL—Room D, Convention Hall

Session Arranger—William H. Hill, Ph.D., Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pennsylvania

Co-chairmen—Ralph G. Smith, Ph.D., Wayne State University, Detroit, Michigan, and Wesley E. Pires, Westinghouse Electric Corporation, Pittsburgh, Pennsylvania

Paper No. 55

2:40 p.m.—Estimation of Hydrazine and Three of its Methyl Derivatives—Leo Feinsilver, Joseph A. Ferregrino and Courtney J. Smith, Jr., U. S. Army Chemical Warfare Laboratories, Army Chemical Center, Maryland

Paper No. 56

2:40 p.m.—Determination of Thallium in Urine and Air—Evan E. Campbell, Morris F. Milligan, Ph.D., and Jean A. Lindsay, Los Alamos Scientific Laboratory, Los Alamos, New Mexico

Paper No. 57

2:40 p.m.—Determination of Thorium in Urine—George A. Wellford, Darle C. Satten, Robert S. Morse and Seymour Tarras, Health and Safety Laboratory, U. S. Atomic Energy Commission, New York, New York

Paper No. 58

3:00 p.m.—Urinary Arsenic Levels as an Index of Industrial Exposure—Helmuth H. Schreck, Ph.D., and Leo Schreckel, Jr., Industrial Hygiene Foundation, Pittsburgh, Pennsylvania

3:20 p.m.—Intermission—Visit Exhibits

Paper No. 59

3:40 p.m.—Application of Ion Exchange Resins to the Determination of Fluoride in Blood—Walter W. Melvin, David Yeager, and Jacob Chobot, Kettering Laboratory, University of Cincinnati College of Medicine, Cincinnati, Ohio

Paper No. 60

4:00 p.m.—Determination of Free Silica in Fine Dust—N. A. Tahrile, Occupational Health Program, Bureau of State Services, Public Health Service, U. S. Department of Health, Education, and Welfare, Cincinnati, Ohio

Paper No. 61

4:20 p.m.—Destruction of Animal and Vegetable Tissue by Combustion in the Parr Oxygen Bomb—Jack Seale, William H. Hill, Ph.D., and Ebel C. Monteleget, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pennsylvania

Paper No. 62

4:40 p.m.—New Developments in Oxygen Deficiency Testing—M. G. Jacobson and N. W. Hariz, Mine Safety Appliances Company, Pittsburgh, Pennsylvania

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Thursday Afternoon

Concurrent Session—RADIATION—Room B, Convention Hall
Session Arranger—R. G. Gallagher, Research Center, Liberty Mutual Insurance Company, Hopkinton, Massachusetts

Co-chairman—F. P. Corran, Ph.D., Brookhaven National Laboratory, Upton, L. I., New York, and W. D. Claus, Ph.D., U. S. Atomic Energy Commission, Washington, D. C.

Paper No. 63

2:00 p.m.—Standardization in Nuclear Energy—Charles R. Williams, Ph.D., Liberty Mutual Insurance Company, Boston, Massachusetts

Paper No. 64

2:15 p.m.—Radiation Protection Laws and Codes—A. Scramble for Action—William A. McAdams, General Electric Company, Schenectady, New York

Paper No. 65

2:30 p.m.—The Industrial Code as a Tool in Radiation Protection—Morris Kleinfield, M.D., and Melvin M. Udel, M.D., State of New York Department of Labor, New York, New York

2:45 p.m.—Discussion

3:00 p.m.—Business Session

3:05 p.m.—Intermission—Visit Exhibits

Paper No. 66

3:30 p.m.—Radiation—A Photofluorographic Study—Edward J. Baler, Pennsylvania Department of Health, Harrisburg, Pennsylvania

Paper No. 67

3:45 p.m.—Radiation Dosages to Medical Personnel—Russell F. Cowling, Deaconess Hospital, Boston, Massachusetts

Paper No. 68

4:00 p.m.—Radiation Hazards Associated with Dental Roentgenography—William E. Neima and Seymour Black, University of California Radiation Laboratory, Livermore, California

4:15 p.m.—Discussion

Paper No. 69

4:30 p.m.—Environmental Radioactivity in the Nuclear Test Airplane Test Area—Robert F. Schackley, Convair Division of General Dynamics Corporation, Fort Worth, Texas

4:45 p.m.—Discussion

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Thursday Afternoon

Concurrent Session—TOXICOLOGY—Room A, Convention Hall
Session Arranger—Edward D. Palmer, Ph.D., Institute of Industrial Medicine, New York University Medical Center, New York, New York

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Co-chairmen—Mary O. Amdur, Ph.D., Department of Physiology, Harvard School of Public Health, Boston, Massachusetts, and Herace W. Gerarde, M.D., Ph.D., Medical Research Division, Esso Research and Engineering Company, Linden, New Jersey

Paper No. 70

2:00 p.m.—The Deposition of a Submicronic Aerosol in the Respiratory Tract of Dogs—P. E. Morrow, Ph.D., F. R. Gibbs and J. M. Stannard, Ph.D., University of Rochester School of Medicine and Dentistry, Rochester, New York

Paper No. 71

2:15 p.m.—Regional Deposition of Aerosol in the Human Respiratory Tract—Bernard Altshuler, Ph.D., Leonard Varanus, Ph.D., E. D. Palmer, Ph.D., and Nerion Nelson, Ph.D., Institute of Industrial Medicine, New York University Medical Center, New York, New York

Paper No. 72

2:30 p.m.—Synergistic Effects of Aerosols. II. Interaction Between Particles in the Lung—Charles W. LaBelle, Jefferson Medical College, Philadelphia, Pennsylvania

Paper No. 73

2:45 p.m.—Progression of Experimental Silicosis in the Rat—Marian L. Westrick, Ph.D., Paul Green, M.D., and James H. McNerney, Industrial Hygiene Foundation, Pittsburgh, Pennsylvania

3:00 p.m.—Intermission—Visit Exhibits

Paper No. 74

3:30 p.m.—Distribution and Excretion Studies in Dogs Exposed to an Aerosol Containing Po²¹⁰—F. A. Smith, Ph.D., P. E. Morrow, Ph.D., F. R. Gibbs, R. J. Della Rossa, and J. N. Stannard, Ph.D., University of Rochester School of Medicine and Dentistry, Rochester, New York

Paper No. 75

3:45 p.m.—Observations on the Fate of Inhaled Cobalt Dust—Norton Nelson, Ph.D., and E. D. Palmer, Ph.D., Institute of Industrial Medicine, New York University Medical Center, New York, New York

Paper No. 76

4:00 p.m.—The Acute and Sub-Acute Toxicity of Certain Indium Compounds — William L. Dowan, James K. Scott, M.D., Elliott A. Maynard, Ph.D., and Laville T. Steadman, Ph.D., Department of Radiation Biology, University of Rochester School of Medicine and Dentistry, Rochester, New York

Paper No. 77

4:15 p.m.—Two Year Feeding Study with Rats Receiving a Diet Supplemented with L-Lysine Hydrochloride—D. E. Hood, J. W. Clayton, Ph.D., E. M. Gay, M.D., J. R. Harace, Ph.D., E. P. Radford, M.D., Haskell Laboratory, E. I. du Pont de Nemours and Company, Inc., Wilmington, Delaware

Paper No. 78

4:30 p.m.—Toxicity of Organic Thiols in Combination with Respiratory Irritant Air Pollutants—Edward J. Fairchild, Ph.D., and Herbert E. Stokinger, Ph.D., Occupational Health Field Headquarters, U. S. Public Health Service, Cincinnati, Ohio

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FRIDAY, APRIL 25

Concurrent Session—NOISE—Stage, Convention Hall
Session Arranger—P. L. Michael, Ph.D., Mine Safety Appliances Company, Pittsburgh, Pennsylvania

Co-chairmen—J. H. Betsford, Bethlehem Steel Company, Bethlehem, Pennsylvania, and V. H. Hill, E. I. du Pont de Nemours and Company, Inc., Wilmington, Delaware

Paper No. 79

9:00 a.m.—Industrial Audiometry—R. E. Allison, Allison Laboratories, Folsom, California

Paper No. 80

9:30 a.m.—Hearing Loss Related to Non-Steady Noise Exposure—N. E. Rosenzweig, M.D., and K. C. Stewart, University of Pittsburgh, Pittsburgh, Pennsylvania

10:00 a.m.—Business Session and Intermission

Paper No. 81

10:15 a.m.—Reduction of Air Flow Noise—H. W. Crouch and Daniel Andrews, Eastman Kodak Company, Rochester, New York

Paper No. 82

10:45 a.m.—Acoustical Treatment of Walls and Ceiling—T. Marlowe, Armstrong Cork Company, Lancaster, Pennsylvania

Paper No. 83

11:15 a.m.—Some Noise Control Methods Used in Industrial Operations—R. L. Young, Employers Mutual Liability Insurance Company, Wausau, Wisconsin

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Friday Morning

Concurrent Session—RADIATION—Room B, Convention Hall
Session Arranger—R. G. Gallagher, Research Center, Liberty Mutual Insurance Company, Hopkinton, Massachusetts

Co-chairmen—Lawrence S. Taylor, Ph.D., National Bureau of Standards, Washington, D.C., and Edna E. Anderson, Ph.D., Oak Ridge National Laboratory, Oak Ridge, Tennessee

Paper No. 84

9:00 a.m.—Surface Contamination Control of Uranium Rolling Operations—Charles D. Blackwell, Los Alamos Scientific Laboratory, Los Alamos, New Mexico

Paper No. 85

9:15 a.m.—Particle Size Studies on Uranium Aerosols from Machining and Metallurgy Operations—Edwin C. Hyatt, W. D. News, and Harry F. Schulte, Los Alamos Scientific Laboratory, Los Alamos, New Mexico

Paper No. 86

9:30 a.m.—Estimation of Plutonium Wound Contamination by Gamma Spectrometer—E. A. Fetzler, J. R. Mann, and V. F. Johnson, Dow Chemical Company, Denver, Colorado

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Paper No. 87

9:45 a.m.—Review of Information on the Maximum Permissible Limits for Thorium—John W. Healy, General Electric Company, Richland, Washington

10:00 a.m.—Discussion

10:15 a.m.—Intermission

Paper No. 88

10:45 a.m.—Radiation Safety Monitoring of Reactor Demolition—G. T. Lesergas, Argonne National Laboratory, Lemont, Illinois

Paper No. 89

11:00 a.m.—Factors for Consideration in Environmental Hazard Analysis—J. J. Fitzgerald, General Electric Company, Schenectady, New York

Paper No. 90

11:15 a.m.—The License Inspection Program of the Atomic Energy Commission—M. M. Mann, F. A. Morris, L. D. Low, and C. C. Palmiter, U. S. Atomic Energy Commission, Washington, D. C.

11:30 a.m.—Discussion

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Friday Morning

Concurrent Session—TOXICOLOGY—Room A, Convention Hall
Session Arranger—Edward D. Palmer, Ph.D., Institute of Industrial Medicine, New York University Medical Center, New York, New York

Co-chairmen—C. Boyd Shaffer, Ph.D., Central Medical Department, American Gypsum Company, New York, New York, and Dorothy B. Hood, Haskell Laboratory, E. I. du Pont de Nemours and Company, Inc., Wilmington, Delaware

Paper No. 91

9:00 a.m.—Ozone as a Catalyst of Lung Tumor Production in Mice—Herbert Stohlinger, Ph.D., and William D. Wagner, Occupational Health Program, Bureau of State Services, Public Health Service, U. S. Department of Health, Education, and Welfare, Cincinnati, Ohio

Paper No. 92

9:15 a.m.—The Experimental Production of Lung Cancers from Ru-Rh Sources—Sidney Laskin, Marvin Kuschner, M.D., Bernard Altshuler, Ph.D., John Harley, Ph.D., and Norton Nelson, Ph.D., Institute of Industrial Medicine, New York University Medical Center, New York, New York

Paper No. 93

9:30 a.m.—A Multiple Chamber Exposure Unit Designed for Chronic Inhalation Studies—Leonard J. Lesch, Charles J. Speigt, Ph.D., Robert H. Wilson, George E. Sylvester, and Kenneth E. Lauterbach, Department of Radiation Biology, University of Rochester School of Medicine and Dentistry, Rochester, New York

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Paper No. 94

9:45 a.m.—Chronic Toxicity of Inhaled Uranium Dioxide—Elliott A. Maynard, Ph.D., Leonard J. Leach, George E. Sylvester, Herbert E. Wilson, James A. Scott, M.D., Harold C. Hodge, Ph.D., Kenneth E. Lauterbach, Robert D. Armstrong, and Charles J. Spiegler, Ph.D., Department of Radiation Biology, University of Rochester School of Medicine and Dentistry, Rochester, New York

Paper No. 95

10:00 a.m.—Comparative Metabolism of Ortho-, Meta-, and Para-Xylene—S. Labam, Ph.D., Research Group, Occupational Health Division, Department of National Health and Welfare, Ottawa, Canada

Paper No. 96

10:15 a.m.—The Acute Toxicity of Intramuscular Parathion in Rats and the Relation of Weight, Sex, and Sex Hormones to this Toxicity—H. E. Swann, Ph.D., G. S. Woodson, and T. A. Ballard, Biophysics and Toxicology Division, Chemical Warfare Laboratories, Army Chemical Center, Maryland

10:30 a.m.—Intermission

Paper No. 97

10:45 a.m.—The Effects of Magnesium Arsenate Phosphor upon Experimental Animals—M. L. Keplinger, Ph.D., Harry E. Teichert, M.D., and Wm. B. DeChasane, Ph.D., Department of Pharmacology, University of Miami School of Medicine, Coral Gables, Florida

Paper No. 98

11:00 a.m.—The Response of Animals to Airborne Monothioaluminum—Joseph F. Treen, Ph.D., Frank P. Cleveland, M.D., Edwin E. Larson, and John Cappel, Kettering Laboratory, University of Cincinnati, Cincinnati, Ohio

Paper No. 99

11:15 a.m.—Effects from Continuous Exposure of Animals to Ethanolamine Vapor—Maurice H. Wechs, Nelson P. Meselson, Theophilus Carson, Theodore Downing, D.V.M., and William Groff, U. S. Army Chemical Warfare Laboratories, Army Chemical Center, Maryland

Paper No. 100

11:30 a.m.—Toxicity, Excretion and Tissue Distribution of Isoniaz (Thorium²³²) in Rats—Irene U. Beeson, M.D., Betty S. Rogers, and Payne S. Harris, M.D., Los Alamos Scientific Laboratory, University of California, Los Alamos, New Mexico

Paper No. 101

11:45 a.m.—The Effects of Occupational Absorption of Vanadium upon Serum Cholesterol Levels—Charles E. Lewis, M.D., Department of Preventive Medicine and Industrial Health, College of Medicine, University of Cincinnati, Cincinnati, Ohio

AMERICAN ASSOCIATION OF INDUSTRIAL DENTISTS

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FIFTEENTH ANNUAL MEETING

Atlantic City, New Jersey
April 21-23, 1958

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Officers

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Labor Health Institute, St. Louis, Missouri

Convention Chairmen

Kenneth W. Misher, D.D.S.
International Harvester Company, Chicago, Illinois
Program—Alan H. Greenwood, D.D.S., President AAID, Lincoln Medical Center, Anaheim, California
Publicity—Leonard S. Morray, D.D.S., Newark, New Jersey
Scientific Exhibits—Harry H. Dougherty, D.D.S., Wyomingising, Pennsylvania
Arrangements—Walker B. Elvern, D.D.S., Bristol-Myers Company, New York, New York

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MONDAY, APRIL 21

CONVENTION HALL—All meetings in Committee Room 15, Ballroom Floor

9:30 a.m.—Registration

10:30 a.m.—Business Session

Presiding: Alan H. Greenwood, D.D.S., President AAID, Lincoln Medical Center, Anaheim, California

12:30-2:00 p.m.—Luncheon

2:00 p.m.—Panel Discussion—The Many Faces of Industrial Dental Programs

Panelists—

Harry H. Dougherty, D.D.S., Associated Industries, Wyomingising, Pennsylvania
Grant U. MacKenzie, D.D.S., Ford Motor Company, Dearborn, Michigan
Howard E. DeCamp, D.D.S., Corning Glass Works, Corning, New York
Calvin Welen, D.D.S., Labor Health Institute, St. Louis, Missouri
Moderator—Robert B. Newmeyer, D.D.S., Young and Rubicam, New York, New York

3:00 p.m.—The Necessity for Alertness and Attention to Detail in Accident Prevention—Mr. W. J. Baldwin, Safety Director, New York Naval Shipyard
—Psychological Aspects of Accident Causation — John MacIver, M.D., Psychiatrist, Metropolitan Life Insurance Company, Director, Safety and Occupational Health Bureau
—Dentistry as Related to Safety in Industry — Guy C. Kirby, D.D.S., Pratt and Whitney Aircraft, East Hartford, Connecticut

7:00 p.m.—Cocktail Hour and Dinner—Chalfonte-Haddon Hall
Presentation of Plaques to Past Presidents
Wives Invited

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TUESDAY, APRIL 22

10:00 a.m.—A Prepaid Dental Program—Dr. Max H. Schoen, Los Angeles, California

11:00 a.m.—Dental Coverage in a Health Insurance Program—J. F. Fellman, Jr., Director of Information and Research, Health Insurance Association of America

12:30 p.m.—Luncheon

2:00 p.m.—Panel Discussion—Cost of an Industrial Dental Program to Management

Panelists—

E. R. Aetzel, D.D.S., Pennsylvania Department of Health, Harrisburg, Pennsylvania

Dr. Max H. Schoen, Los Angeles, California

J. F. Fellman, Jr., Director of Information and Research, Health Insurance Association of America

Alan H. Greenwood, D.D.S., Lincoln Medical Center, Anaheim, California

Moderator—Kenneth W. Misher, D.D.S., International Harvester Company, Chicago, Illinois

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WEDNESDAY, APRIL 23

9:30 a.m.—Symposium—The Future of Industrial Dentistry
James Deming, D.D.S., Harvard University, Department of Hygiene

C. Russell Fricke, D.D.S., Duquesne Light Company, Pittsburgh, Pennsylvania

Leonard S. Morray, D.D.S., Industrial Dental Consultant, Newark, New Jersey

W. B. Elvern, D.D.S., Dental Research Department, Bristol-Myers Company, New York, New York

11:30 a.m.—Business Meeting and Election of Officers

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