CHEMSTAR

A Report on the Year 1994-1995

American Plastics, Atmospheric Chemistry Transition, Chlorine Chemistry, Endocrine Issues Coalition, Regulatory Data, Solvents, Total Quality, Acetone, Alkylphenols and Ethoxylates, Aryl Phosphates, Atypical Fuel Additives, Brominated Biocides, Brominated Flame Retardants, Disulfide, Carbonyl Sulfide, Chlorinated Pool Chemicals, Chlorobenzenes, Cresols, Crystalline Silica, Cumene, Cyclohexanone, Diisocyanates, Diisopropylbenzenes, Endocrine Issues Coalition, Ethylene Glycol Ethers, Ethylene Oxide, Fluoroalkanes, Hexamethylene Diisocyanate, Hydrazine, Hydrocarbon Solvents, Hydrogen Fluoride, Hydroquinone, Inorganic Acids, Isopropanol, Ketones, Maleic Anhydride, Metal Catalysts, Methyl Bromide, Methacrylates, Olefins, α-Olefins, Oleylamine, Oxo Process, Petroleum Additives, Phosgene, Phosphorus, Phthalate Esters , Polychlorinated Biphenyls, Propylene Glycol Ethers, Propylene Oxide, Rubber Additives, Sodium Bromide, Specialty Acrylates/Methacrylates, Terephthalates, Titanium Dioxide, Toluenediamines, Tris(chloroalkyl)phosphates, Vinyl Chloride, Vinylidene Chloride, Water Additives

94-95

Chairman's Remarks

Darryl Fry
Cytec Industries Inc.
Chairman, CHEMSTAR Policy Committee

CHEMSTAR Panels and Councils, and their task groups, now include over a thousand persons working to advance the interests of our companies in ever-widening subject areas. This Annual Report presents just the highlights of this formidable effort. The cost savings that Panels and Councils achieve through successful advocacy and development of materials to promote improved product stewardship are in the tens of millions of dollars each year. Most importantly, the CHEMSTAR groups anticipate the impact of government regulations and work to minimize their effect on a company's ability to market its products. I am pleased to applaud the achievements of the many men and women who represent our companies in the Panels and Councils. On behalf of the CHEMSTAR Policy Committee, and the CMA Board of Directors, I urge executives of our companies to become acquainted with the profound contributions that your professionals are making, and recognize these persons for their accomplishments.

Panel and Council Growth

1995	70
1994	69
1993	65
1992	60
1991	55
1990	36
1989	25
1988	20
1987	15
1986	12
1985	10

President's Overview

Excellence is the characteristic most easily attributed to the CHEMSTAR Panels and Councils this year. Once again, the nearly seventy active groups have shown that directly competing companies can nevertheless share expertise and cooperate effectively on many mutually beneficial topics. Through their successful approaches to advocacy, research, performance improvement, education, communication, evaluation and litigation, the CHEMSTAR groups clearly demonstrate the value of collaboration under an organized association format.

I encourage the readers of this Annual Report to pay close attention to the wide diversity of issues addressed by the Panels and Councils. In many ways they mirror the diverse focuses of the Chemical Manufacturers Association itself.

Within the Association's array of support for industry, the CHEMSTAR groups add the essential dimensions of specific chemical and special business interest focus. Just as importantly, the Panels and Councils are providing significant assistance to their member companies and others in implementing Responsible Care®. In this way they benefit not only their member companies, but also customers and suppliers, and ultimately the industry as a whole.

On behalf of Dr. Langley Spurlock and his staff of fine professionals in CHEMSTAR, and indeed on behalf of the entire CMA staff, I am pleased to express our delight in being a part of this important industry activity. We enthusiastically anticipate providing focused, value added services through the CHEMSTAR Panels and Councils in the future.

Frederick L. Webber
President and Chief Executive Officer
Chemical Manufacturers Association

INSIDE

Overview: Advocacy, Research, Education, Communication, Evaluation, Litigation 4
Snapshots:
The Business Councils 6
The Panels 9
Financial Resources 24
Guidance 26
Management Services 27
Details of Council & Panel Activities ..... pocket

OVER

Advocacy

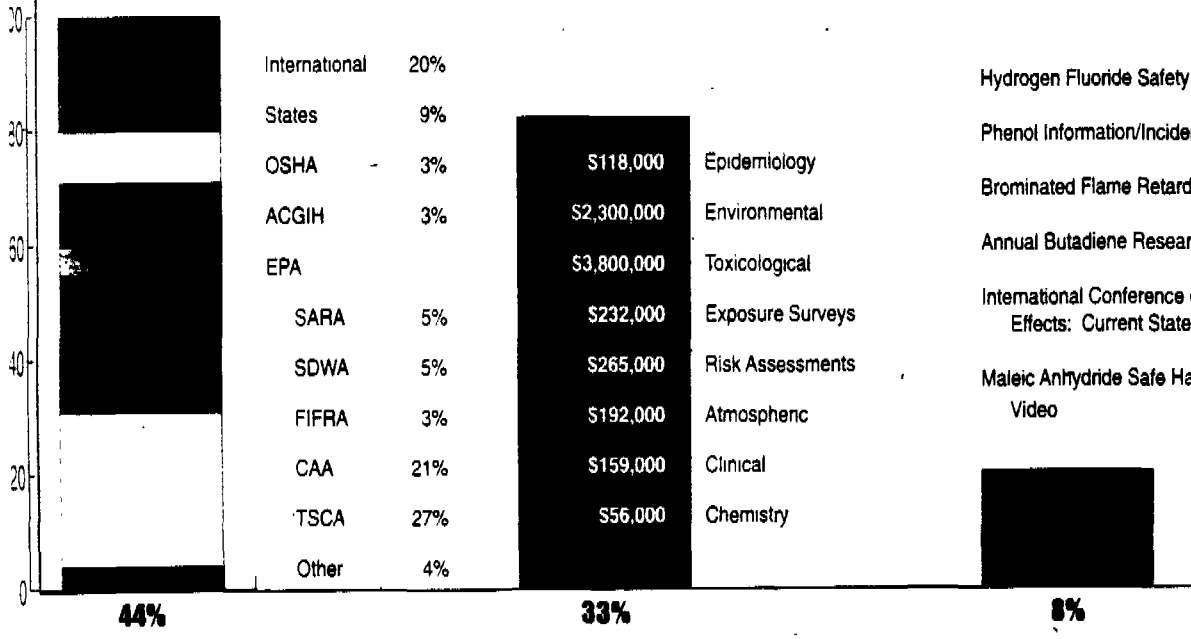
Amount: Forty-two CHEMSTAR Panels and Councils addressed regulatory actions. Forty-four percent of staff time was spent on advocacy activities. **Method:** Groups submitted comments on pending regulations and research data to a variety of federal, state and international agencies. **Focus:** TSCA Section 4 is the chief concern of 22 panels. Clean Air Act regulations continued to be a significant focus. International activities continued as a growing concern for many groups.

Research

Amount: Thirty-nine CHEMSTAR Panels and Councils sponsored some form of research. Thirty-three percent of staff time was spent managing research activities. **Method:** Groups authorized 163 research contracts, with a combined commitment of approximately $17M. This year, $6.8M of that commitment was spent. **Focus:** Toxicological research continued as the highest level activity, with environmental research increasing dramatically over the previous year from $600,000 to over $2M. Exposure surveys also increased significantly over the previous year.

Education

Amount: Eleven CHEMSTAR Panels and Councils sponsored some form of education activity. Eight percent of staff time was spent managing this activity. **Method:** Groups educated member company personnel, government regulators, and the scientific and technical community about a variety of health, safety and environmental issues. **Focus:** Brochures, bulletins, manuals, workshops, and videos were planned and produced with the aim of promoting better understanding of issues important to member companies.



VIEW

Communication

Amount: Twelve Panels and Councils produced communications materials. Five percent of staff time was spent on managing this activity. **Method:** Groups developed and disseminated information to customers, regulators and the general public on a variety of topics significant to the industry. **Focus:** Press releases, white papers, scientific and technical journals and book chapters were prepared, all aimed at promoting better understanding of issues important to member companies. Groups hosted and participated in conferences of many different types.

Evaluation

Amount: : Ten Panels and Councils produced evaluation-related materials. Nine and one half percent of staff time was spent managing this activity. **Method:** Groups facilitated data collection by individual companies and non-proprietary information sharing on company practices. **Focus:** Protocols and surveys were developed that will aid companies and their customers in evaluating performance in safety and operations areas.

Litigation

Amount: Four Panels engaged in legal actions. Less than one percent of staff time was spent managing these activities. **Focus:** Litigation involvement ranged from status as principals in law suits to filing amicus briefs.

Cutting Through the Maze of Clean Air Act Regulations-A Guide for Solvent Users

Chlorinated Pool Chemicals Panel Transportation Bulletin

Inorganic Acid Mists Brochure

Ethylene Glycol Ethers Fact Sheet

The Estrogenic Effects of Alkylphenol Ethoxylates

Heiden Benchmarking Survey

Petroleum Additives Product Approval Code of Practice

Petroleum Additives Benchmarking Survey

Total Quality Council Competency Matrix

Total Quality Council Product Stewardship Protocol for Distributors

Carrier Assessment Council Rail and Barge Protocols

Ethylene Environmental Benchmarking Survey

5% **9.5%** **.5%**

THE CHEMSTAR COUNCILS

One new CHEMSTAR Business Council was approved this year — the Regulatory Data Council. One Council — Carrier Assessment — was terminated after completing its objectives successfully. Four Councils — American Plastics, Atmospheric Research, Chlorine Chemistry and Total Quality — have continued operations successfully. Several of these Councils have completed or made significant progress on major projects in the industry. Councils address data-gathering, research, program and advocacy activities in those designated business sectors or business function areas that are part of, or significant to, chemical manufacturing interests.

American Plastics

Chairman: M. Whitson Sadler, Solvay America, Inc. **Chartered:** 1991. **Task Groups:** None. **Board Committees:** Executive, Finance and Membership. **Programs:** Federal Governmental Relations, State Government Affairs, Advertising, Communications, Packaging, Durables, Product Benefits, Process Technology, Business Impact/Information Management. **Ad hoc Task Forces:** West Coast Team and Energy Recovery. **President & CEO:** Red Cavaney. **Mission:** To ensure that plastics are the preferred materials by actively demonstrating they are the responsible choice in a more environmentally conscious world. **Greatest Accomplishment:** Significantly improving the profile of the plastics industry and its products among policy makers and the general public. **Latest Accomplishment:** Developed a comprehensive strategy and reorganized structure to address issues relating to plastics and the environment. **Most Pressing Issue:** Implementing the strategy and related program-based business plan. **Details:** Page D-4.

Research 80%
Education 20%

(Completed)

Atmospheric Research

Chairman: Ross Stevens, DuPont. **Chartered:** 1991. **Task Group:** Science. **Council Manager:** Elizabeth Festa Watson. **Mission:** To identify and help resolve scientific uncertainties regarding the potential effect of atmospheric emissions and volatile products by the chemical industry. **Greatest Accomplishment:** Provided vision and resources for a three year pilot program to determine the strategic value of investing in better understanding of atmospheric chemistry. **Overall Accomplishment:** Through CMA's Environmental Health, Safety and Operations Committee, raised important issues about the uncertainties existing in basic data on the atmosphere against advocacy needs and developed a list of focus areas relevant strategically to all CMA members. **Most Pressing Issue:** To sunset operations and carry out a final bridging effort under the Atmospheric Chemistry Transition Team to engage all CMA stakeholders of atmospheric issues in an effort to pursue ongoing strategic research needs. **Details:** Page D-6.

Carrier Assessment

Evaluation 100%

Chairman: Steve Battilana, ICI Americas Inc. **Chartered:** 1991. **Task Groups:** Executive, Highway, Marine, and Rail. **Council Manager:** Jonathon Busch. **Mission:** To help interested CMA members meet the carrier safety provisions of the Responsible Care® Distribution Code of Management Practices. **Latest Accomplishment:** Completed assessment protocol development for highway, rail, barge, and container vessel modes. **Details:** Page D-12.

Chlorine Chemistry

Evaluation 100%

Chairman: Michael J. Ferris, Vulcan Chemicals. **Chartered:** 1993. **Board Committees:** Membership and Industry Outreach Committee, International and Coalitions Committee, Executive Operating Committee, Finance Committee. **Task Groups:** Strategic Implementation Management, Science and Stewardship, Outreach, Federal Advocacy, and State Advocacy. **Issue Groups:** Dioxin, Persistent Toxic Bioaccumulatives, Health Effects, Product Risk Management/Customer Outreach Issues, Water Disinfection. **Managing Director:** C.T. "Kip" Howlett. **Mission:** To achieve policies that will benefit the continuing responsible uses of chlorine and the products of chlorine chemistry. **Greatest Accomplishment:** Prevented inappropriate legislative initiatives at federal and state levels specific to chlorine chemistry. **Latest Accomplishment:** Developed proactive strategic plan, including a PTB policy, science research program, stewardship initiatives and alliances, benefits and health effects outreach program, added advocacy capabilities and international focus. **Most Pressing Issue:** To address customer, public, regulatory and legislative concerns about aspects of chlorine chemistry. **Activities:** ***Science.*** Facilitate comparative risk and risk benefits analyses through the collection, development and use of scientific data on health, safety and environmental issues. ***Stewardship.*** Foster the safe production, distribution, use and disposal of chlorine and chlorine compounds. ***Outreach.*** Heighten public awareness of chlorine chemistry and its many societal benefits through the development and implementation of communications programs. ***Advocacy.*** Participate strongly and constructively during public policy debates and federal and state decision-making processes on chlorine and chlorine compounds. **Details:** Page D-13.

Regulatory Data

Communication 100%

Chairman: S. A. Mortimer, Union Carbide Corporation. **Chartered:** 1995. **Task Groups:** Steering, List Expansion, Membership Development, Technical, and Data Integrity. **Council Manager:** Marian Stanley. **Mission:** To develop a mechanism for acquiring regulatory data list information, compile the data into a computer format useable by most computer systems, and make this data available to its members inexpensively. **Greatest Accomplishment:** Developed the computer format for regulatory list data, and input data from 23 North American and Canadian lists. **Latest Accomplishment:** Presented the Council's mission to regulatory professionals across CMA's membership. **Most Pressing Issue:** Expanding membership in order to speed up list expansion activities, while maintaining the cost per company at affordable levels. **Details:** Page D-35.

Total Quality

Chairman: Ronald Carlson, AMOCO Corporation. **Chartered:** 1990. **Task Groups:** Education, Executive, Governmental Affairs, Membership, Product Marketing. **Council Manager:** Langley Spurlock. **Mission:** To address quality management issues for the chemical industry. **Latest Accomplishment:** Development of "Integrating Process Safety and Total Quality: A Roadmap, Toolguide and Toolbox," which provides guidance in implementing the Process Safety Code of Responsible Care® in a total quality management framework. **Most Pressing Issue:** Promoting the use of quality management and Responsible Care® in international environmental management standards currently being developed. **Details:** Page D-38.

Advocacy 25%
Education 40%
Evaluation 25%
Communication 10%

THE CHEMSTAR PANELS

Fifty-nine CHEMSTAR Panels are now officially approved by CMA. Three hundred and thirty-four companies and 39 associations participate on Panels. Among the company members, 112 are members of CMA and 30 are non-US and non-Canadian. Participating companies and associations are represented on panels and task groups by over 1,000 persons with professional skills ranging from physical and biological sciences, through engineering and industry hygiene, to legal and business areas. Reasons for organizing range from a need to respond to pending or existing regulations to a proactive desire to promote safety, customer education, emergency response, and better product evaluations.

Advocacy 60%
Research 35%
Communication 5%

Acetone

Chairman: Roger Tankersley, Hoechst Celanese Corporation. **Chartered:** 1991. **Task Group:** Toxicology Research. **Panel Manager:** Kathleen Roberts. **Mission:** To address the regulatory concerns of manufacturers, processors, and users of acetone. **Greatest Accomplishment:** Successfully advocated an OSHA PEL of 750 ppm. **Most Pressing Issue:** Completing and submitting a neurotoxicity study as mandated by a 1994 consent order. **Latest Accomplishment:** Received reclassification of acetone as a volatile organic compound of negligible reactivity and delisted from SARA Section 313. **Details:** Page D-3.

Alkanolamines

Chairman: Neil Hawkins, Dow Chemical Company. **Chartered:** 1982. **Task Group:** Toxicology Research. **Panel Manager:** Jonathon Busch. **Mission:** To address toxicology and regulatory issues associated with alkanolamines. **Greatest Accomplishment:** Completed a voluntary research program relating to the dermal absorption and developmental toxicity of MEA and DEA. **Latest Accomplishment:** Initiated a literature review covering the use, chemical and physical properties, toxicology and pharmacokinetics of alkanolamines. **Most Pressing Issue:** Managing scientific and regulatory activities on several fronts, including NTP, EPA, OECD, OSHA, and NIOSH. **Details:** Page D-3.

Advocacy 80%
Research 20%

Advocacy 5%
Research 60%
Communication 25%
Evaluation 10%

Alkylphenols and Ethoxylates

Chairman: Connie E. Carroll, Union Carbide Corporation. **Chartered:** 1987. **Task Groups:** Legislative & Regulatory, Risk Assessment, Communications, International, and Finance. **Panel Manager:** Fernando Leiva. **Mission:** To determine the health and environmental effects of alkylphenols and ethoxylates in manufacture and use. **Greatest Accomplishment:** Completed all testing required under TSCA Section 4 for nonylphenol. Also, completed a bioaccumulation study of 30 rivers. **Latest Accomplishment:** Under a TSCA Section 4 consent order, completed a midge bioassay. **Most Pressing Issue:** Initiating biodegradation and estrogenicity studies of alkylphenols and ethoxylates. **Details:** Page D-4.

Aryl Phosphates

Chairman: Roy Roseberry, FMC Corporation. **Chartered:** 1991. **Task Group:** Toxicology Research. **Panel Manager:** Kathleen Roberts. **Mission:** To address TSCA Section 4 testing issues for aryl phosphates. **Latest Accomplishment:** Proposed a testing program which was accepted under EPA's "open season." **Most Pressing Issue:** Reaching final agreement on the TSCA testing program and beginning testing. **Details:** Page 5.

Advocacy 75%
Research 20%
Communication 5%

Advocacy 60%
Research 20%
Education 15%
Evaluation 5%

Biocides

Chairman: Tom McEntee, Morton International. **Chartered:** 1986. **Task Groups:** Antimicrobial Exposure Assessment, Arsenic Acid, Formaldehyde, Education, Executive, Legislative, Membership, Regulatory, Scientific, Wisconsin Ground Water. **Panel Manager:** Has Shah. **Mission:** To advocate industry positions on regulatory, legislative, research, and educational issues. **Greatest Accomplishment:** Completed the Antimicrobial Exposure Assessment Study to support industry's advocacy and education efforts. **Latest Accomplishment:** Developed an educational program on biocides for regulatory personnel. **Most Pressing Issue:** Distinguishing legislatively this class of pesticides from other pesticides and streamlining the pesticide regulatory process. **Details:** Page D-7.

Brominated Biocides

(New)

Chairman: Paul Newcomb, Biolabs, Inc. Chartered: 1994. **Task Groups:** None. **Panel Manager:** Has Shah. **Mission:** To advocate industry positions on regulatory and research issues at state, federal, and international levels. **Most Pressing Issue:** Addressing risk assessment issues for bromates raised by EPA's Disinfectants and Disinfectants Byproducts Proposed Rule. **Details:** Page D-10.

Advocacy 100%

Advocacy 55%
Research 15%
Education 20%
Communication 10%

Brominated Flame Retardants

Chairman: Marcia Hardy, Albemarle Corporation. **Chartered:** 1990. **Task Groups:** Analytical Chemistry, Toxicology Research, User's Group, Executive. **Panel Manager:** Fernando Leiva. **Greatest Accomplishments:** Completed the Antimicrobial Exposure Assessment Study to support industry's advocacy and educational efforts. Submitted comments on five brominated flame retardants to EPA in response to a proposed TSCA Section 4 Health and Environmental Effects Test Rule. **Latest Accomplishments:** Developed an educational program on biocides for regulatory personnel. Filed voluntary industry agreement at OECD June meeting in Paris. **Most Pressing Issues:** Completing additional testing on octa and deca compounds. Continuing efforts to work with OECD and WHO to compile accurate information on BFRs, and to present information on current issues and activities at workshops and conferences. **Details:** Page D-10.

Butylated Hydroxytoluene

Chairman: Vacant. **Chartered:** 1977. **Task Groups:** None. **Panel Manager:** Has Shah. **Mission:** To conduct research and advocacy to support the use of BHT in food additive applications. **Greatest Accomplishment:** Continued efforts to provide the FDA with updated information to aid in its evaluation of BHT. **Latest Accomplishment:** Same. **Most Pressing Issue:** Receiving FDA's response to the Panel's request for a regulation acknowledging the prior sanction status of BHT. **Details:** Page D-11.

Advocacy 85%
Communication 15%

Carbon Disulfide

Advocacy 100%

Chairman: John Stewart, Courtaulds Fibers, Inc. **Chartered:** 1991. **Task Group:** TSCA Testing. **Panel Manager:** Elizabeth Moran. **Mission:** To interact with regulatory agencies on safety, health, and environmental issues. **Greatest Accomplishment:** Completed a review of the literature on CS_2 effects that will form the basis of the Panel's advocacy activities. **Latest Accomplishment:** Convinced EPA to issue a stay of the effectiveness of listing H_2S under SARA Section 313. **Most Pressing Issue:** Setting the appropriate reference concentration for carbon disulfide. **Details:** Page D-12.

Carbonyl Sulfide

(New)

Chairman: Sue Mileti, DuPont. **Chartered:** 1995. **Task Groups:** None. **Panel Manager:** Jonathon Busch. **Greatest Accomplishment:** Brought together two separate industries — titanium dioxide and carbon black producers — for a common purpose. **Latest Accomplishment:** Submitted comments to EPA urging removal of carbonyl sulfide from the HAPs testing list. **Most Pressing Issue:** Addressing testing requirements on the pending HAPs test rule. **Details:** Page D-12.

Advocacy 100%

Chlorinated Pool Chemicals

Advocacy 60%
Research 35%
Communication 5%

Chairman: Bruce Jacobsen, Olin Corporation. **Chartered:** 1989. **Task Groups:** Transportation, DCCA Dihydrate Reclassification. **Panel Manager:** Kathleen Roberts. **Mission:** To promote safety practices in the processing, packaging, warehousing, transportation and use of chlorinated pool chemicals. **Greatest Accomplishment:** Publication of guidelines for safe handling and transportation of chlorinated pool chemicals. **Latest Accomplishment:** Completion of burn rate testing of trichlor, which resulted in NFPA reclassification to a Class 1 oxidizer. **Most Pressing Issues:** Communicating with Building Code regulators on trichlor reclassification. **Details:** Page D-13.

Chlorine Dioxide

Chairman: Earl Smith, Vulcan Chemicals. **Chartered:** 1987. **Task Groups:** Administration, Advocacy, Regulatory, Technical. **Panel Manager:** Robert Romano. **Mission:** To gather, review, generate and disseminate information on chlorine dioxide. **Greatest Accomplishment:** Received EPA acceptance that chlorine dioxide, sodium chlorite and sodium chlorate are safe and effective chemicals that should be used in the strategy of treating water in the United States. **Latest Accomplishment:** Completed the Two-Generation Reproductive study plus neurotoxicology add-on for sodium chlorite to benefit EPA's Office of Drinking Water. **Most Pressing Issues:** Working with EPA on establishing a reasonable Disinfectants and Disinfection By-Products Proposed Rule and the Enhanced Surface Water Treatment Requirements Proposed Rule for chlorine dioxide. **Details:** Page D-14.

Advocacy 40%
Research 30%
Education 10%
Communication 10%
Evaluation 10%

Chlorobenzenes

Research 100%

Chairman: James Bryant, Standard Chlorine Chemical Co., Inc. **Chartered:** 1974. **Task Group:** FIFRA. **Panel Manager:** Carol Stack. **Mission:** To conduct voluntary and mandated research on health and environmental effects. **Latest Accomplishment:** Completion of FIFRA Data Call-In on PDCB. **Most Pressing Issues:** Addressing proposed testing of chlorobenzenes as a Hazardous Air Pollutants and Interagency Testing Committee recommendations. **Details:** Page D-15.

Cresols

Chairman: Kirby Boston, Merichem Company. **Chartered:** 1984. **Task Groups:** None. Panel **Manager:** Leah Porter. **Mission:** To monitor cresols regulatory issues and interact with agencies as appropriate. **Greatest Accomplishment:** Assumed a leadership role in advocacy regarding proposed chronic toxicity studies for o-cresol. **Latest Accomplishment:** Drafted comments to EPA in advance of the Phase I proposed HAPs rule, stressing low vapor pressure and unlikely exposure via emission. **Most Pressing Issue:** Continuing to urge re-review of the IRIS database classification of cresols and monitoring international proposed testing of cresols. **Details:** Page D-15.

Advocacy 90%
Research 10%

Crystalline Silica

Advocacy 60%
Research 10%
Education 20%
Communication 10%

Chairman: Joseph Shapiro, Unimin Corporation. **Chartered:** 1989. **Task Groups:** Administrative, Science and Technical Advisory, and International Coordinating. **Panel Manager:** Elizabeth Festa Watson. **Mission:** To address regulatory and research issues for crystalline silica, including the IARC classification of crystalline silica as a "probable carcinogen." **Greatest Accomplishment:** Cosponsored literature reviews of the health effects of crystalline silica. **Latest Accomplishment:** Coordinated and gave the industry perspective concerning safe levels for environmental exposure to ambient respirable crystalline silica in response to reviews of the science sponsored by the States of California and North Carolina. **Most Pressing Issue:** Addressing the focus on ambient levels of crystalline silica in the general environment at both state and federal levels. **Details:** Page D-15.

Cumene

Chairman: Ken Darmer, Shell Oil Company. Chartered: 1985. **Task Groups:** Health Effects, Environmental Effects. **Panel Manager:** Leah Porter. **Mission:** To collect information that will allow assessment of health and environmental effects arising from production, storage, use and disposal of cumene. **Greatest Accomplishment:** Submitted a dossier for Phase 4 of the OECD SIDS program. **Latest Accomplishment:** Publication of two manuscripts in peer reviewed journals. **Most Pressing Issue:** Maintaining cooperation with OECD in compiling risk assessment data. Continuing to urge NTP to revise proposed testing requirements. **Details:** Page D-17.

Advocacy 100%

Cyclohexane

Research 100%

Chairman: Fred Marashi, Phillips Petroleum Company. **Chartered:** 1985. **Task Group:** Toxicology Research. **Panel Manager:** Jonathon Busch. **Mission:** To address regulatory and toxicology issues relating to cyclohexane. **Greatest Accomplishment:** Using scientific data, negotiated the elimination of two oncogenicity studies from the TSCA Section 4 consent order agreement, saving industry an estimated $2 million. **Latest Accomplishment:** Successful legal outcome in challenging the TSCA Section 4(a)(1)B policy. **Most Pressing Issue:** Completing the testing program under an enforceable consent agreement. **Details:** Page D-17.

Dibenzofurans/Dibenzodioxins

(Completed)

Chairman: Robert Kaley, Monsanto Company. **Chartered:** 1984. **Task Groups:** None. **Panel Manager:** Elizabeth Festa Watson. **Mission:** To respond to a TSCA Section 21 petition filed by the Environmental Defense Fund and National Wildlife Federation with EPA. **Latest Accomplishments:** Brought to completion with the Chlorine Chemistry Council (CCC) an independent analysis of the NIOSH epidemiology study on dioxin exposure. Successfully transferred its activities and issues to the CCC Dioxin Work Group and sunset in January 1995. **Details:** Page D-18.

Advocacy 10%
Research 90%

Diisocyanates

Advocacy 100%

Chairman: Patrick McNamara, ICI Polyurethanes. **Chartered:** 1988. **Task Groups:** Isocyanates TSCA Testing, Maximum Achievable Control Technology **Panel Manager:** Cecilia Spearing. **Mission:** To develop and disseminate information on safe handling and impending regulations. **Latest Accomplishments:** Successfully challenged EPA's designation of methylene diisocyanate (MDI) as a "high risk" hazardous pollutant. Submitted comments to EPA which raised the RQ for MDI under CERCLA Section 103 to 5,000 pounds. **Most Pressing Issues:** Requesting EPA to correct the inhalation RfC reported for MDI on the IRIS database. Participating in ongoing discussions with EPA staff regarding the hazard ranking and *de minimis* emissions levels proposed for MDI and toluene diisocyanate under Section 112(g) of the Clean Air Act. **Details:** Page D-18.

Dinitrotoluenes

Advocacy 100%

Chairman: Bronek Drozdowicz. Air Products and Chemicals, Inc. **Chartered:** 1989. **Task Group:** Toxicology. **Panel Manager:** Jonathon Busch. **Mission:** To conduct research and regulatory advocacy for dinitrotoluenes. **Greatest Accomplishment:** Completed a pharmacokinetics study under a voluntary research agreement with EPA and German regulatory agencies. **Latest Accomplishment:** Submitted technical comments to ITC advocating that dermal absorption testing of 2,4-DNT is unnecessary. **Most Pressing Issue:** Monitoring ITC dermal absorption testing requirements. **Details:** Page D-19.

Ethylbenzene

(New)

Advocacy 100%

Chairman: Robert Zaykoski, GE Plastics. **Chartered:** 1994. **Task Groups:** None. **Panel Manager:** Elizabeth Moran. **Mission:** To address the inclusion of ethylbenzene in the upcoming TSCA Section 4 test rule on hazardous air pollutants. To develop the Screening Information Data Set (SIDS) InitialAssessment Report (SIAR) as a follow-up to the SIDS dossier on ethylbenzene that the producers previously developed under SOCMA for submission under the OECD High Production Volume Existing Chemicals Voluntary Testing Program. **Most Pressing Issue:** Opposing inclusion of ethylbenzene in the Hazardous Air Pollutants test rule. **Details:** Page D-19.

Ethylenebis-(stearamide)

(Completed)

Research 100%

Chairman: Allan Kushins, Lonza, Inc. **Chartered:** 1992. **Task Groups:** None. **Panel Manager:** Cecilia Spearing. **Greatest Accomplishment:** Completion of a Screening Information Data Set dossier. **Latest Accomplishment:** Worked with EPA to ensure that all available data had been identified. **Details:** Page D-19.

Ethylene Glycol

Advocacy 55%
Research 25%
Communication 20%

Chairman: William Snellings, Union Carbide Corporation. **Chartered:** 1986. **Task Group:** Toxicology Research. **Panel Manager:** Kathleen Roberts. **Mission:** To augment the scientific data base and address regulations affecting ethylene glycol. **Greatest Accomplishment:** Successfully advocated the adjustment of the CERCLA reportable quantity from one pound to 5,000 pounds. **Latest Accomplishment:** Initiated further research in determining mechanisms of developmental toxicity. **Most Pressing Issue:** Responding to inclusion of EG on the HAP TSCA Section 4 testing list. **Details:** Page D-20.

Ethylene Glycol Ethers

Chairman: Glenn Jones, Eastman Chemical Company. **Chartered:** 1980. **Task Groups:** Toxicology Research, Process Safety, Clean Air. **Panel Manager:** Susan Lewis. **Mission:** To develop a consumer use data base, provide information, and promote sound regulatory action. **Greatest Accomplishment:** Successfully advocated industry positions to federal, state and international bodies for more than 13 years. **Latest Accomplishment:** Presented over $1.8 million in Panel funded state-of-the-art research at the INRS Symposium in Nancy, France to an international audience of government regulators and researchers. **Most Pressing Issue:** Addressing regulations that do not appropriately differentiate individual glycol ethers from other members of the category. **Details:** PageD- 20.

Advocacy 35%
Research 50%
Education 5%
Communication 10%

Ethylene Oxide

Advocacy 40%
Research 40%
Education 10%
Communication 10%

Chairman: Ron Van Mynen, Union Carbide Corporation. **Chartered:** 1982. **Task Groups:** Toxicology Research, Safety, Environmental, Medical Epidemiology, Industrial Hygiene. **Panel Manager:** Robert Romano. **Mission:** To address regulatory and scientific activities in an effort to help agencies make sound decisions on ethylene oxide. **Greatest Accomplishment:** Established a tremendous data base on ethylene oxide including toxicology, epidemiology, industrial hygiene, and engineering safety, which allows for a more complete risk assessment. **Latest Accomplishment:** Participated in a CIIT ethylene oxide review and evaluated a mutagenicity risk assessment. **Most Pressing Issues:** Working with EPA, academia and others on further evaluating mutagenicity and developing a more complete carcinogenicity risk assessment on ethylene oxide. **Details:** Page D-22.

Fluoroalkenes

Chairman: Sharron Laas, DuPont. **Chartered:** 1987. **Task Groups:** Specific Chemical Producers, Specific Chemicals Toxicology. **Panel Manager:** Kathleen Roberts. **Mission:** To address the TSCA Section 4 issues on fluoroalkenes. **Greatest Accomplishment:** Completed requirements for TSCA Section 4 test rule in 1992. **Most Pressing Issue:** Responding to any issue regarding the results of the TSCA testing program. **Details:** Page D-22.

Advocacy 100%

Hexamethylene Diisocyanate

Advocacy 80%
Research 15%
Communication 5%

Chairman: Donald Lamb, Miles, Inc. **Chartered:** 1988. **Task Group:** Toxicology Research. **Panel Manager:** Kathleen Roberts. **Mission:** To address TSCA Section 4 issues for HDI. **Greatest Accomplishment:** Advocated that TSCA testing should be conducted via inhalation route, as it is the most relevant exposure possibility. **Latest Accomplishment:** Successfully advocated the adjustment of the CERCLA reportable quantity from one pound to 100 pounds. **Most Pressing Issue:** Waiting for final testing requirements under TSCA Section 4. **Details:** Page D-23.

Hydrazine

Chairman: Sherry Duff, Olin Corporation **Chartered:** 1991. **Task Group:** Toxicology Research. **Panel Manager:** Has Shah. **Mission:** To support hydrazine-related product stewardship activities. **Greatest Accomplishment:** Continued efforts to provide the ACGIH with toxicity information to aid in its evaluation of the TLV for hydrazine. **Most Pressing Issue:** Monitoring regulatory response to outstanding comments and petitions. **Details:** Page D-23.

Advocacy 75%
Research 25%

Hydrogen Fluoride

Research 25%
Education 75%

Chairman: Mark Looney, Chemtech Products, Inc. **Chartered:** 1988. **Task Groups:** Medical & Toxicology, Advocacy, Communications, Mutual Aid. **Panel Manager:** Fernando Leiva. **Greatest Accomplishment:** Commented on EPA's Report to Congress stressing no additional regulations on the industry. **Most Pressing Issue:** Developing a hazardous air pollutants testing proposal. **Details:** Page D-23.

Hydroquinone

Chairman: Betsy Carlton, Rhône-Poulenc Company. **Chartered:** 1984. **Task Groups:** Toxicology Research. **Panel Manager:** Has Shah. **Mission:** To respond to U.S. and international regulatory issues, and to conduct research to support the Panel positions. **Greatest Accomplishment:** Completion of TSCA Section 4 testing program for hydroquinone. **Latest Accomplishment:** Initiated a voluntary research program to further evaluate the health effects of hydroquinone. **Most Pressing Issue:** Addressing U.S. and international risk assessment and regulatory issues. **Details:** Page D-23.

Advocacy 50%
Research 30%
Education 10%
Communication 10%

Inorganic Acid Mists

Advocacy 79%
Research 21%

Chairman: James Hathaway, Rhône-Poulenc, Inc. **Chartered:** 1993. **Task Groups:** Scientific Review, Exposure Assessment, Epidemiology. **Panel Manager:** Carol Stack. **Mission:** To address IARC's classification of IAMs as carcinogenic to humans. **Latest Accomplishments:** Completed a review of human health literature on inorganic acid mists, containing sulfuric acid. Supported development of methodology for sampling and analysis of airborne sulfuric acid mists, eliminating sulfate interference. **Most Pressing Issue:** Addressing the proposed ACGIH "A2 Suspect Human Carcinogen" notation for sulfuric acid. **Details:** Page D-24.

Isopropanol

Chairman: James Quance, Exxon Chemical Company. **Chartered:** 1987. **Task Group:** Toxicology Research. **Panel Manager:** Cecilia Spearing. **Mission:** To assess health risks arising from production, storage, and transportation. **Greatest Accomplishment:** Completion of all testing requirements under the TSCA Section 4 Rule. **Latest Accomplishment:** Submission of a SIDS dossier to EPA/OECD. **Most Pressing Issues:** Completion of add-on studies, a risk assessment, and interaction with EPA on the results of the TSCA Section 4 Test Rule studies. **Details:** Page D-24.

Advocacy 36.5%
Research 63.5%

Ketones

Advocacy 88%
Research 10%
Education 2%

Chairman: James Quance, Exxon Chemical Company. **Chartered:** 1980. **Task Groups:** Toxicology Research, Air Issues. **Panel Manager:** Barbara Francis. **Mission:** To address health, safety, and environmental issues related to the production and use of MEK, MIBK, MO, isophorone, and secondary butanol. **Greatest Accomplishment:** Worked with EPA to increase the oral reference dose on the IRIS data base on MEK twelve fold from 0.05 mg/kg/dy to 0.6 mg/kg/dy. **Latest Accomplishments:** Along with the Oxo Process Panel Air Issues Task Group, prepared a brochure entitled, "Cutting Through the Maze of Clean Air Regulations," and presented a paper on solvents at an EPA conference. **Most Pressing Issue:** Developing a plan to address pressures on MEK and MIBK. **Details:** Page D-25.

Laboratory & Research Chemicals

(Completed)

Chairman: Harris Lehrer, Spectrum Chemical Manufacturing Corporation. **Chartered:** 1991. **Task Groups:** None. **Panel Manager:** Fernando Leiva. **Mission:** To address issues unique to the laboratory and research chemicals industry. **Greatest Accomplishment:** Participated in ANSI labeling standards process to ensure that the needs of small packages were addressed. **Details:** Page D-26.

Advocacy 65%
Research 15%
Evaluation 20%

Maleic Anhydride

Advocacy 20%
Education 80%

Chairman: Richard Demboski, Ashland Chemical, Inc. **Chartered:** 1993 **Task Group:** Toxicology. **Panel Manager:** Marian Stanley. **Mission:** To promote the principles and practices of Responsible Care® with emphasis on Product Stewardship. **Greatest Accomplishment:** Publication of a video on safe handling and transportation. **Latest Accomplishment:** Development of a brochure to accompany the video. **Most Pressing Issue:** Responding to the inclusion of maleic anhydride in the soon to be proposed HAP test rule. **Details:** Page D-26.

Metal Catalysts

Advocacy 85%
Communication 10%
Litigation 5%

Chairman: Wayne Ellice, Crosfield Catalysts. **Chartered:** 1984. **Task Groups:** RCRA/OECD, Air Issues, OSHA/PELs. **Panel Manager:** Leah Porter. **Mission:** To collect and evaluate information on safety, environmental and health issues for metal catalyst industrial processes. **Greatest Accomplishment:** Joined several groups in a successful judicial challenge of EPA's proposed MCLG/MCL regulation for nickel. **Latest Accomplishment:** Submitted comments to EPA in May in response to a supplemental notice of proposed rulemaking on risk management programs under Section 112(r)(7) of the Clean Air Act. **Most Pressing Issues:** Continuing a meaningful dialog with EPA in anticipation of proposed rulemaking which will identify hazardous wastes under RCRA. Continue to monitor OSHA rulemaking efforts which will affect PELs for chromium. **Details:** Page D-26.

Methyl Bromide

Advocacy 20%
Research 70%
Evaluation 10%

Chairmen: David McAllister, Great Lakes Chemical Corporation. **Chartered:** 1990. **Task Group:** Safety Video. **Panel Manager:** Susan Lewis. **Mission:** To respond to an EPA Data-Call-In for methyl bromide. **Latest Accomplishment:** Completed residue analyses on almost 80 crop commodities. **Most Pressing Issue:** Fulfilling pesticide chronic testing requirements for methyl bromide. **Details:** Page D-27.

Naphthalene

(New)

Advocacy 100%

Chairman: John Bankston, Aristech Chemical Corporation. **Chartered:** 1994. **Task Group:** Toxicology. **Panel Manager:** Marian Stanley. **Mission:** To respond to the soon to be proposed HAP test rule. **Most Pressing Issue:** Responding to the inclusion of naphthalene in the soon to be proposed HAP test rule. **Details:** Page D-27.

Olefins

Advocacy 25%
Research 75%

Chairman: Norman Morrow, Exxon Chemical Americas. **Chartered:** 1992. **Task Groups:** Environmental Issues, Toxicology Research. **Panel Manager:** Elizabeth Moran. **Mission:** To conduct research and advocacy on ethylene, propylene, butadiene, and 4-vinyl cyclohexene. **Latest Accomplishment:** Obtained an exemption for ethylene manufacturing from the Hazardous Organic NESHAP. **Greatest Accomplishment:** Because of a successful research and advocacy program on ethylene and propylene, neither was designated a carcinogen by IARC. **Most Pressing Issue:** Ensuring that the Panel research results are used in EPA's butadiene risk assessment. **Details:** Page D-27.

α-Olefins

Chairman: Vacant. **Chartered:** 1991. **Task Group:** Toxicology Research. **Panel Manager:** Cecilia Spearing. **Mission:** To compile information and complete SIDS dossiers for several α-olefins. **Greatest Accomplishment:** Developed SIDS dossiers for 1-hexene, 1-octene, 1-decene, 1-dodecene, and 1-tetradecene. **Latest Accomplishment:** Completed testing to fill structure activity relationship data gaps for the series. **Most Pressing Issue:** Presenting SIDS Initial Assessment Reports for representative α-olefins to EPA/OECD for evaluation at a future OECD SIDS Initial Assessment Meeting. **Details:** Page D-28.

Research 100%

Oleylamine

Research 60%

Chairman: Donna Hillebold, Akzo Nobel Chemicals, Inc. **Chartered:** 1984. **Task Groups:** None. **Panel Manager:** Fernando Leiva. **Mission:** To respond to a proposed TSCA Section 4 Test Rule for oleylamine. **Greatest Accomplishment:** Completed requirements under a TSCA Section 4 test rule. **Latest Accomplishment:** Removed oleylamine from the SIDS listing of chemicals needing additional testing. **Most Pressing Issue:** Completing a toxicity test required to comply with EPA suggested requirements. **Details:** Page D-28.

Oxo Process

Chairman: Roderick Gerwe, Eastman Chemical Company. **Chartered:** 1990. **Task Groups:** 2-Ethylhexanol, 2-Ethylhexanoic Acid, Butyraldehyde, Butanol/Isobutanol, Butyl Acetate, Air Issues, Ethyl Acetate, Toxicology Research. **Panel Manager:** Barbara Francis. **Mission:** To address issues on a broad range of chemicals that are starting materials, intermediates, or end products of the same industrial process. **Greatest Accomplishment:** Negotiated with EPA to reduce testing requirements of several chemicals in the neurotoxicity multisubstance test rule program. **Latest Accomplishment:** As a result of information provided by the Panel, ITC removed butyraldehyde from its list of designated chemicals. **Most Pressing Issue:** Developing a long-range strategic plan to address a wide spectrum of issues affecting oxo process chemicals. **Details:** Page D-29.

Advocacy 80%
Research 15%
Education 2%
Litigation 3%

Petroleum Additives

Advocacy 7%
Research 11%
Evaluation 77%
Litigation 5%

Chairman: John Sanders, Oronite-Chevron Chemical Company. **Chartered:** 1990. **Task Groups:** Fuels Detergent Performance, Health, Environmental and Regulatory, Product Approval Protocol. **Panel Managers:** Carol Stack and Kathleen Roberts. **Mission:** To pursue research and advocacy issues for additives used to enhance the performance of automotive and industrial petroleum fuels or lubricants. **Latest Accomplishments:** Completed three years of implementation of the CMA Product Approval Code of Practice for engine oil testing; completed joint ATC/CMA aquatic toxicity testing program on lubricant additives; submitted comments to EPA on combustion chamber deposit testing and reference fuels. **Most Pressing Issues:** Defining expanded role of CMA in the development of new engine oil categories; responding to the Clean Air Act rulemaking; negotiating settlement of a petition for review of EPA's Interim Deposit Control Gasoline Additives Rule. **Details:** Page D-30.

Phenol

Cochairmen: Charles Freeburgh, Georgia Gulf (pictured) and Tom Gardiner, Shell Oil Company. **Chartered:** 1988. **Task Groups:** Toxicology Research, Video. **Panel Managers:** Susan Lewis and Jonathon Busch. **Mission:** To address safety, regulatory, toxicology, and environmental issues concerning phenol. **Greatest Accomplishment:** Completed a training program, including workbooks and instructional videos to encourage safe handling. **Latest Accomplishment:** Advocated a cost-effective, tiered testing proposal as an alternative to the costly and extensive testing program proposed by EPA. **Details:** Page D-31.

Advocacy 90%
Research 6%

Phosgene

Advocacy 40%
Research 10%
Education 20%
Communication 20%
Evaluation 10%

Chairman: W. E. Irby, Bayer Corporation. **Chartered:** 1972. **Task Groups:** Engineering, Safety & Environmental, Regulatory, Safe Practices & Guidelines, Medical & Toxicology. **Panel Manager:** Robert Romano. **Mission:** To improve industry's ability to safely manufacture, handle, and use phosgene. **Greatest Accomplishment:** Shared information on phosgene manufacturing for the betterment of the entire industry. **Latest Accomplishment:** Developed a Phosgene Exposure Information brochure for all medical staff that may be called upon to evaluate and treat patients who have been exposed to phosgene. **Most Pressing Issue:** Continuing to evaluate how to formalize and publish safety practices and guidelines for the industry. **Details:** Page D-32.

Phosphorus

(New)

Chairman: Donald Montgomery, Monsanto Company. **Chartered:** 1994. **Task Groups:** None. **Panel Manager:** Cecilia Spearing. **Greatest Accomplishment:** Submitted comments to EPA on the ITC's recommendations for the testing of white phosphorus. **Latest Accomplishments:** Met with representatives of EPA, ITC and Department of Interior to discuss proposed testing. Forwarded readily available exposure-related information on elemental phosphorus to EPA. **Most Pressing Issue:** Awaiting EPA's concurrence that the legal and financial responsibility for proposed testing required for investigation and remediation of its Superfund sites rests with the Department of Defense, and not the phosphorus manufacturers. **Details:** Page D-33.

Advocacy 100%

Phthalate Esters

Advocacy 75%
Education 10%
Communication 15%

Chairman: John Bankston, Aristech Chemical Corporation. **Chartered:** 1973. **Task Groups:** Toxicology Research, Environmental Research, Food and Drug Applications, Phthalic Anhydride Producers, Dibutyl Phthalate Producers, California Issues, FDA Toxicology Research, Endocrine Issues. **Panel Manger:** Marian Stanley. **Mission:** To address health and environmental issues, to respond to TSCA Section 4 test rules and to insure that phthalate esters are accurately characterized. **Greatest Accomplishment:** Successful negotiation and completion of the environmental testing consent order. **Latest Accomplishment:** Developed a sediment toxicity testing protocol with EPA. **Most Pressing Issue:** Responding to allegations that phthalate esters are endocrine disrupters. **Details:** Page D-33.

Polychlorinated Biphenyls

Advocacy: 80%
Research: 20%

Chairman: Gary Mappes, Monsanto Company. **Chartered:** 1981. **Task Groups:** None. **Panel Manager:** Leah Porter. **Mission:** To respond to implementation of TSCA Section 6 regulations for PCBs. **Greatest Accomplishment:** Formation of the PCB consensus group where industry and environmental groups worked together to resolve PCB issues. **Latest Accomplishment:** Worked with the PCB Industry Coalition to encourage publication of a proposed rule to address remaining PCB disposal issues. **Most Pressing Issues:** Follow-up on requested changes to the EPA proposed rule and continuing to address the contribution of PCBs to the dioxin issue. **Details:** Page D-34.

Propylene Glycol Ethers

Advocacy 50%
Research 50%

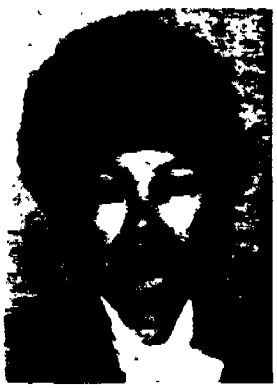
Chairman: William Hayes, The Dow Chemical Company. **Chartered:** 1993. **Task Group:** Toxicology Research. **Panel Manager:** Susan Lewis. **Mission:** To develop a research program and work with government organizations on issues related to propylene glycol ethers. **Latest Accomplishment:** Established a working relationship with the Interagency Testing Committee and Consumer Product Safety Commission to clarify information interests on propylene glycol ethers. **Most Pressing Issue:** Initiating a voluntary research program on propylene glycol ethers. **Details:** Page D-34.

Propylene Oxide

Research 100%

Chairman: Neil Hawkins, The Dow Chemical Company. **Chartered:** 1993. **Task Groups:** Marine Research, Toxicology Research. **Panel Manager:** Marian Stanley. **Mission:** To improve handling and transportation of propylene oxide and to elucidate the mechanism of action of propylene oxide. **Greatest Accomplishment:** Sponsored an observer to IARC work group meetings where the classification of propylene oxide was under review and remained unchanged. **Latest Accomplishment:** Launched the research program in both Europe and the United States. **Most Pressing Issue:** Completing the research program. **Details:** Page D-35..

Sodium Bromide



Advocacy 100%

Chairman: Louise Wen, Albemarle Corporation. **Chartered:** 1990. **Task Groups:** None. **Panel Manager:** Jonathan Busch. **Mission:** To address health, environmental, and regulatory issues on sodium bromide. **Greatest Accomplishment:** Completed a voluntary aquatic study to evaluate the relative toxicities of bromine chloride and chlorine on freshwater and saltwater species. **Most Pressing Issue:** Monitoring research on sodium bromide conducted outside of CMA. **Details:** Page D-36.

Specialty Acrylates/Methacrylates

Chairman: Georjean Adams, 3M. **Chartered:** 1987. **Task Groups:** Scientific Issues, Membership, Regulatory Issues. **Panel Manager:** Marian Stanley. **Mission:** To address EPA concerns about new and existing specialty acrylates and methacrylates. **Greatest Accomplishment:** Completed Phase 1 of a research program. **Latest Accomplishment:** Commented on EPA's proposed generic Significant New Use Rule for acrylates as a class. **Most Pressing Issue:** Working with EPA to remove restrictions on the development and marketing of new products. **Details:** Page D-36.

Advocacy 10%
Research 90%

Advocacy 100%

Terephthalates

Chairman: Edward Miller, Eastman Chemical Company. **Chartered:** 1990. **Task Groups:** None. **Panel Manager:** Elizabeth Moran. **Mission:** To address health and environmental issues on terephthalic acid and dimethyl terephthalate. **Greatest Accomplishment:** Based on Panel comments, EPA delisted terephthalic acid from the EPCRA Section 313 List. **Latest Accomplishment:** Convinced EPA to delete dimethyl terephthalate from the ITC list until the OECD SIDS evaluation is complete. **Most Pressing Issue:** Addressing the inclusion of terephthalic acid in the reproductive and developmental effects endpoint test rule. **Details:** Page D-36.

Titanium Dioxide

Chairman: Terry Casey, Kronos, Inc.-Rheox, Inc. **Chartered:** 1977. **Task Group:** $TiCl_4$ Modeling. **Panel Manager:** Jonathon Busch. **Mission:** To address toxicology and occupational issues associated with titanium dioxide and titanium tetrachloride. **Greatest Accomplishment:** Developed a new air dispersion model which predicts downwind dispersion and concentrations of $TiCl_4$. **Latest Accomplishment:** Sponsored voluntary research to evaluate potential pulmonary effects of TiO_2. **Most Pressing Issue:** Continuing advocacy with NIOSH and other groups on the unwarranted classification of TiO_2 as a potential carcinogen. **Details:** Page D-37.

Advocacy 75%
Research 25%

Toluenediamines

Chairman: Vacant. **Chartered:** 1991. **Task Group:** Toxicology Research. **Panel Manager:** Cecilia Spearing. **Mission:** To address an EPA proposed rule requiring multisubstance testing for development and reproductive toxicity. **Greatest Accomplishment:** Developed comments and participated in an EPA public meeting for the proposed end-point rule under TSCA Section 4. **Most Pressing Issue:** Addressing issues associated with the issuance of the final TSCA Section 4 test rule. **Details:** Page D-37.

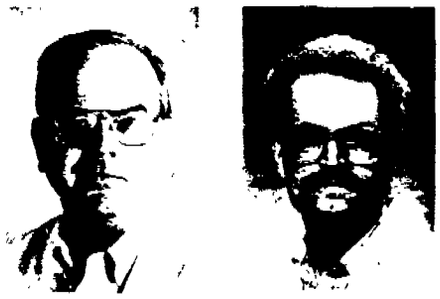
Advocacy 100%

Tris(chloroalkyl)phosphates

Research 100%

Chairman: William Gentit, Akzo Nobel. **Chartered:** 1992. **Task Group:** Toxicology Research. **Panel Manager:** Cecilia Spearing. **Mission:** To collect, generate and evaluate information required to complete a SIDS dossier for tris(chloroisopropyl)-phosphate (TCIP). **Greatest Accomplishment:** Developed a Screening Information Data Set dossier on TCIP. **Latest Accomplishment:** Presented a revised SIDS dossier to EPA. **Most Pressing Issue:** Presenting a SIDS Initial Assessment Report to EPA/OECD for evaluation at a future OECD SIDS Initial Assessment Meeting. **Details:** Page D-38.

Vinyl Chloride



Advocacy 80%
Research 15%
Communication 5%

Cochairmen: Vergel Perry and Jonathon Ramlow, The Dow Chemical Company. **Chartered:** 1971. **Task Groups:** Health Committee and Transportation Committee. **Panel Manager:** Has Shah. **Mission:** To assess health and safety data on vinyl chloride, conduct research, establish and maintain a mutual aid network to respond to vinyl chloride incidents, support regulatory advocacy, and pursue product stewardship activities. **Greatest Accomplishment:** Formation of the Vinyl Chloride Mutual Aid Network. **Latest Accomplishment:** Obtaining OSHA's interpretation of the vinyl chloride standard that permits trained industry personnel to respond to emergency situations. **Most Pressing Issue:** Negotiating a voluntary research program to address the ATSDR and EPA data needs. **Details:** Page D-39.

Vinylidene Chloride

Education 100%

Chairman: James Barter, PPG Industries, Inc. **Chartered:** 1974. **Task Groups:** None. **Panel Manager:** Kathleen Roberts. **Mission:** To sponsor research on the potential toxicologic effects and pharmacokinetics of VDC. **Greatest Accomplishment:** Completed the toxicology research program. **Most Pressing Issue:** Responding to potential regulations affecting VDC. **Details:** Page D-40.

Water Additives

Advocacy 60%
Research 10%
Education 20%
Communication 10%

Chairman: Randy Deskin, Cytec Industries, Inc. **Chartered:** 1985. **Task Groups:** Specific Chemicals and VOC/Water Treatment Products. **Panel Manager:** Robert Romano. **Mission:** To address regulations and gather, review, generate and disseminate information on direct and indirect potable water additives. **Greatest Accomplishment:** Achieved National Sanitation Foundation acceptance of water additives certification packages for several chemicals. **Latest Accomplishment:** Worked with NSF to improve the certification process on two chemistries so that all company member products are certified as soon as possible. **Details:** Page D-40.

CHEMSTAR Panels

Financial Status

For the twelve months Ended May 31, 1995

(rounded to the nearest hundred)

	CHEMSTAR Panels	Balance June 1, 1994	Contribution Receipts	Investment Revenue	Expenditures	Balance May 31, 1995
4	Acetone	$ 398,700	$ 362,400	$ 19,200	$ 389,500	$ 390,800
5	Alkanolamines	290,900	247,700	11,400	163,300	386,700
6	Alkylphenols/Ethoxylates	280,700	210,000	7,700	455,100	43,300
7	Alpha Olefins	33,100	55,900	2,100	55,700	35,400
8	Aryl Phosphates	4,300	130,400	0	74,000	60,700
9	Atypical Fuel Additives	0	35,000	100	20,100	15,000
10	Biocides	982,500	1,056,300	40,600	798,800	1,280,600
11	Brominated Biocides	0	48,000	600	35,200	13,400
12	Brominated Flame Retardants	43,600	86,000	1,200	96,500	34,300
13	Butadiene	1,428,300	364,700	43,600	999,500	837,100
14	Butylated Hydroxytoluene	4,000	-2,900	100	200	1,000
15	Carbon Disulfide	146,700	128,000	2,800	237,300	40,200
16	Carbonyl Sulfide	0	55,000	100	26,500	28,600
17	Chlorinated Pool Chemicals	49,500	159,800	2,500	156,400	55,400
18	Chlorine Dioxide	286,300	127,400	8,700	440,900	-21,500
19	Chlorobenzenes	9,000	344,700	800	341,600	12,700
20	Cobalt	700	0	0	400	300
21	Cresols	19,300	43,000	400	53,300	8,400
22	Crystalline Silica	-3,700	151,600	500	141,200	6,200
23	Cumene	49,700	41,900	1,800	41,600	51,800
24	Cyclohexane	12,100	807,600	9,200	111,900	717,900
25	Dibenzofurans/Dibenzodioxins	3,400	0	0	3,400	0
26	Diisocyanates	102,700	120,200	500	207,300	15,100
27	Dinitrotoluenes	87,000	0	3,700	3,500	87,200
28	Ethylbenzene	0	35,000	100	30,100	5,000
29	Ethylene Glycol	146,700	188,200	5,200	192,500	137,600
30	Ethylene Glycol Ethers	22,400	607,900	10,800	451,600	189,500
31	Ethylene Oxide	18,000	750,900	9,900	358,400	420,400
32	Ethylenebis-(stearamide)	300	0	0	300	0
33	Fluoroalkenes	108,300	0	4,700	900	113,100
34	Fluorocarbons	147,100	0	5,900	139,400	13,600
35	Hexamethylene Diisocyanate	-1,600	20,000	400	7,000	11,800
36	Hydrazine	33,000	0	1,100	12,200	21,900
37	Hydrogen Fluoride	107,200	103,500	4,300	97,200	117,800
38	Hydroquinone	2,800	2,500	100	5,800	-400
39	Inorganic Acid Mists	31,700	50,000	2,400	29,000	55,100
40	Isopropanol	497,800	583,200	19,800	560,800	540,000
41	Ketones	184,000	462,700	14,100	459,100	187,700
42	Laboratory & Research Chemicals	8,500	0	100	8,500	100
43	Maleic Anhydride	67,800	0	2,100	37,500	31,600
44	Metal Catalysts	28,400	110,000	800	116,500	23,700
45	Methyl Bromide	372,300	1,524,500	31,200	1,069,300	858,700
46	Methylenedianiline	4,200	100	200	100	4,400
47	Naphthalene	0	25,000	500	3,400	22,100
48	Nitrosamines	0	1,000	0	1,100	-100
49	Olefins	298,900	412,900	12,000	401,800	319,900
50	Oleylamine	3,200	10,000	100	9,100	4,200
51	Oxo Process	1,744,500	1,215,700	65,300	1,672,300	1,353,200
52	Petroleum Additives	704,700	754,100	30,800	991,600	498,100
53	Phenol	279,300	156,000	5,300	345,100	95,500
54	Phosgene	6,100	72,000	200	52,300	26,000
55	Phosphorus	0	70,000	400	57,700	12,700
56	Phthalate Esters	800,100	764,800	36,900	677,700	926,800
57	Polychlorinated Biphenyls	2,700	135,200	100	152,100	-14,000
58	Propylene Glycol Ethers	5,100	115,200	500	98,000	22,800
59	Propylene Oxide	27,200	309,400	3,100	135,300	204,200
60	Rubber Additives	2,500	0	0	2,800	-300
61	Sodium Bromide	1,000	0	0	500	500
62	Specialty Acrylates/Methacrylates	858,700	36,700	35,900	126,000	795,300
63	Titanium Dioxide	13,300	45,800	600	43,300	16,400
64	Toluenediamines	1,300	0	0	700	600
65	Trimellitate Esters/Terephthalates	4,800	31,000	500	10,400	25,900
66	Tris(chloroalkyl)phosphates	-100	20,000	0	18,000	1,900
67	Vinyl Chloride	99,000	500,400	10,500	187,800	428,100
68	Vinylidene Chloride	700	0	0	600	100
69	Water Additives	-15,400	33,700	-200	10,900	7,200
70						
71		$ 10,819,900	$ 13,684,200	$ 473,900	$ 13,404,700	$ 11,573,300

CMA 030909

Panel Financial Resources

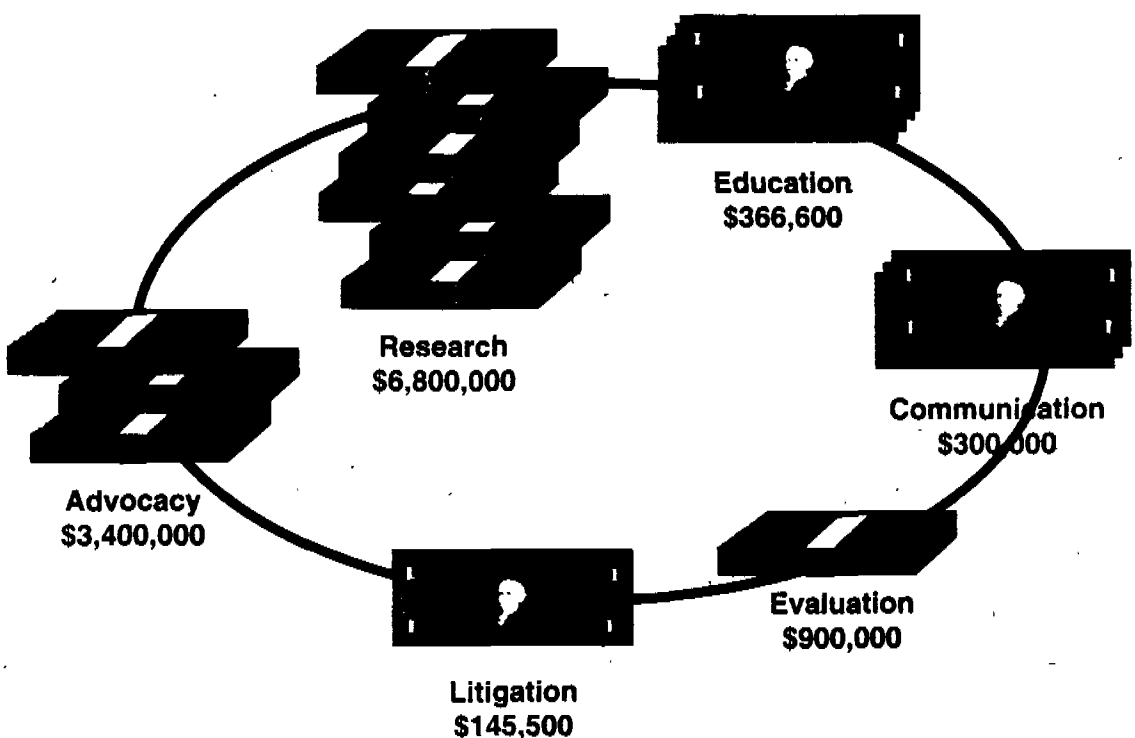
Each Panel is required to maintain a **CASH DEPOSIT ACCOUNT** which recognizes that CMA signs all contracts on behalf of the Panels, and assumes financial liability for meeting their contractual commitments. The balance permits timely honoring of financial commitments. The combined compensating balance for all CHEMSTAR Panels at the beginning of Fiscal Year 1994-1995 was about $10 million. On that date CMA had financial liabilities totaling about $6.8 million under 163 executed contracts on behalf of the various Panels.

INTEREST on the unexpended cash balances provides supplemental revenue for each CHEMSTAR Panel. This year, Panels earned a combined total of nearly $500,000 in interest income.

EXPENDITURES of CHEMSTAR Panels are based on budgets approved by each group. In Fiscal Year 1994-1995, panels spent a collective total of $13 million for research, consultants, legal counsel and panel management.

CHEMSTAR Panels and Councils*

Financial Allocations



American Plastics Council excluded.

CHEMSTAR Policy Committee

Chairman Darryl Fry
Cytec Industries Inc.

Vice Chairman William Joyce
Union Carbide Corporation

Gary C. Herrman
Vice President, Treasurer
CMA

David F. Zoll
Vice President, General Counsel
CMA

Staff Executive
Langley A. Spurlock, Ph.D., CAE
Vice President, CHEMSTAR, CMA

Purpose: The Committee ensures that all CHEMSTAR Panels and Business Councils are conducted in a manner consistent with Association policy, and with the CHEMSTAR Guidelines; counsels with Panels and Councils regarding new and revised operating needs; and, reviews and makes recommendations on advocacy activities when requested by a Panel, Council or staff.

Leadership Session Facilitator William Lindley of Nalco/Exxon Energy Chemicals.

This year, as in previous years, a broad array of CMA services was employed to ensure that Panels and Councils received adequate support for their operations.

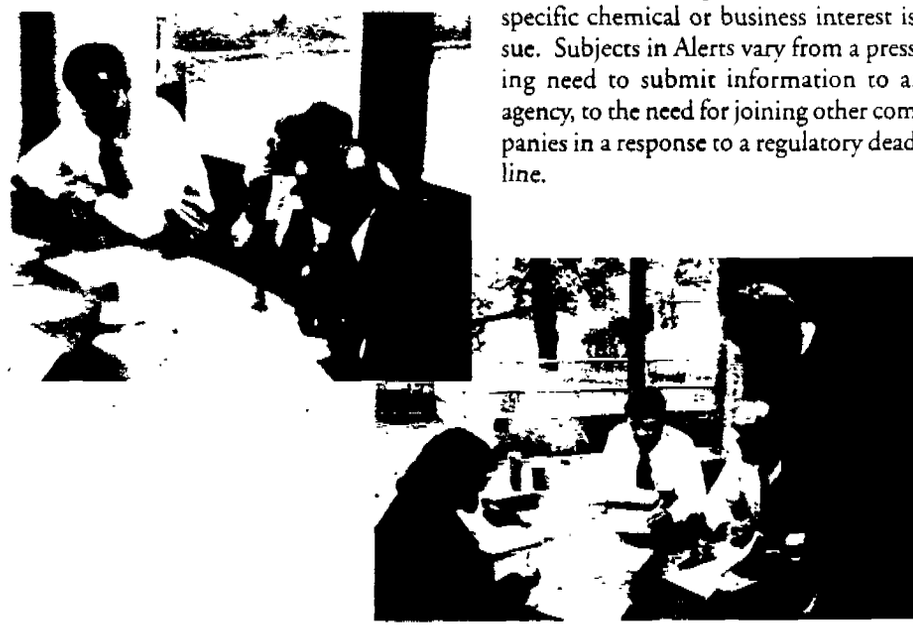
Leadership Training

The annual CHEMSTAR Leadership Session was held in October, and attended by ten Panel and Council leaders. The Sessions are designed to assist chairmen in resolving the dilemmas of leading diverse and changing organizations. Sessions are invitational, one-day workshops primarily held for new panel, council and task group chairmen. Participation by experienced chairmen also is welcome and sought. At this year's Session, an expert from a CMA member company provided advice on planning, and peers shared experiences in dealing with related issues. Because participant ratings were very high, another similar Session is planned.

Communications

The CHEMSTAR Department continues to place high priority on ensuring industry awareness of Panel and Council activities. CHEMSTAR NEWS, a quarterly publication with a circulation of 1,900 is the Department's principal means of reaching a broad industry segment. The NEWS points out upcoming regulatory impacts on specific chemicals, summarizes recent actions of various Panels and Councils, lists Panel and Council reports and agency submissions, and highlights significant changes in Panel and Council membership. The NEWS also is a means of publicizing the formation of new Panels and Councils for general information purposes and for soliciting a wider membership base. Through the "Spotlight" article in each issue, the accomplishments of individual Panels and Councils are summarized. This year, the Acetone, Maleic Anhydride, and Metal Catalysts Panels were featured.

The CHEMSTAR Alerts, published as needed, are the Department's means of quickly informing Panel and Council members and others in the industry when a time-sensitive response is needed on a specific chemical or business interest issue. Subjects in Alerts vary from a pressing need to submit information to an agency, to the need for joining other companies in a response to a regulatory deadline.



Leadership Breakout Sessions

Department Managing Staff

VICE PRESIDENT

Langley A. Spurlock, Ph.D., CAE

Dr. Spurlock completed his second year as Vice President of the CHEMSTAR Department, and his thirteenth year at CMA in June. He is responsible for oversight of all CHEMSTAR Panels and Councils. He also manages the Total Quality Council.

Dr. Spurlock is a Certified Association Executive, awarded by the American Society of Association Executives and a Quality Education System Trainer certified by Phillip Crosby Associates. He currently serves on the Board of Directors of the ASAE Foundation. Before joining CMA, he held an appointment in the US Government Senior Executive Service at the National Science Foundation. During his tenure at NSF he served as Senior Staff Associate for Operations, Directorate for Mathematical and Physical Sciences, Special Assistant to the Director, Office of Planning and Resources Management, and as Oversight Coordinator and Special Assistant to the Director, Office of Audit and Oversight. Previously, Dr. Spurlock received an appointment as US Department of Health, Education and Welfare Fellow, and served as Special Assistant in the Immediate Office of the Secretary of HEW. Earlier, he was Assistant to the President at the American Council on Education. Before coming to Washington, Dr. Spurlock held an appointment as Associate Professor of Chemistry at Brown University, and earlier was Assistant Professor of Chemistry at Temple University. Previously he served as Senior Research Chemist in the General Chemical and Agricultural Chemical Divisions of Allied Corporation. Dr. Spurlock received a Ph.D. in Organic Chemistry from Wayne State University.

DIRECTORS

Elizabeth J. Moran, Ph.D., D.A.B.T.

Dr. Moran joined CMA and the CHEMSTAR Department in 1981. She continued this year as manager of the Butadiene, Carbon Disulfide, Methylenedianiline, Olefins, and Terephthalates Panels, and managed the Laboratory and Research Chemicals Council until January.

Dr. Moran is a biochemist and Board Certified Toxicologist. She is currently on the finance committee of the American College of Toxicology. Before coming to CMA, she was a program manager at JRB Associates. Earlier, Dr. Moran directed the Flavor Safety Program at International Flavors and Fragrances, Inc., where she was responsible for toxicological testing on new chemicals. Previously, Dr. Moran conducted lipid nutrition research at the US Department of Agriculture and was a visiting professor at the University of Maryland. Dr. Moran received a Ph.D. in Biochemistry from the University of Maryland.

Hasmukh C. Shah, Ph.D., D.A.B.T.

Dr. Shah joined CMA and the CHEMSTAR Department in 1979. He is responsible for the management of the Biocides and Vinyl Chloride Panels.

Dr. Shah is a Board Certified Toxicologist. Before coming to CMA, he was the Director of the Toxicology and Biomedical Sciences Department of Equitable Environmental Health. He also was the Project Director for the National Institute for Occupational Safety and Health's criteria document project, and for the "Profiles on Occupational Hazards for Criteria Document Priorities." Previously, at the Stanford Research Institute, Dr. Shah was a Project Coordinator, and he served as a Senior Toxicologist. Earlier, he was a Visiting Fellow Scientist at the National Institute for Environmental Health Sciences. Dr. Shah received a Ph.D. in Pharmacology and Toxicology from the University of Rhode Island.

Carol R. Stack, Ph.D.

Dr. Stack joined CMA and the CHEMSTAR Department in 1980. She is currently responsible for management of the Chlorobenzenes, Inorganic Acid Mists, and Petroleum Additives Panels.

Before joining CMA, Dr. Stack was employed in the Toxicology and Biomedical Sciences Department at Equitable Environmental Health where she served as an Assistant Project Director responsible for the preparation of NIOSH multi-chemical criteria documents. Earlier, she served as Visiting Scientist at the Neurological Institute in Bogota, Colombia, where she investigated central auditory pathways in echolocating birds. Dr. Stack received a Ph.D. in Biology from New York University.

Elizabeth Festa Watson, B.A.

Ms. Festa Watson joined CMA and the CHEMSTAR Department in 1983. She is responsible for the management of the Crystalline Silica and Dibenzofurans/Dibenzodioxins Panels, the Atmospheric Research Council and Endocrine Issues Coalition.

Prior to coming to CMA, she was Section Staff Executive with the National Electrical Manufacturers Association, where she was responsible for the Nuclear Magnetic Resonance Imaging Section within the Diagnostic Imaging and Therapy Systems Division. Previously, Ms. Festa Watson worked in the Endocrine Biochemistry section of the National

Institute of Arthritis and Metabolic Disease at the National Institutes of Health, and held the position of Chemist at both CENTEC Corporation and Radian Corporation. She was also a recipient of a National Science Foundation Assistantship. Ms. Festa Watson earned a B.A. in Chemistry from Albertus Magnus College.

ASSOCIATE DIRECTORS

Jonathon Busch, MBA

Mr. Busch joined CMA and the CHEMSTAR Department in 1990. He is responsible for management of the Alkanolamines, Carbonyl Sulfide, Cyclohexane, Dinitrotoluenes, Phenol Regulatory, Sodium Bromide, and Titanium Dioxide Panels.

Before coming to CMA, Mr. Busch was a Senior Associate with ICF-Clement, a health and environmental sciences consulting firm. He was responsible for a variety of scientific efforts in toxicology, risk and exposure assessment, and environmental auditing. Previously, Mr. Busch was Senior Science Analyst with the Cosmetic, Toiletry and Fragrance Association. He was responsible for developing scientific literature reviews on chemicals and for technical and administrative efforts associated with ensuring ingredient and product safety for the cosmetic industry. Mr. Busch received a MBA in Finance from George Mason University and a B.S. in Biology from Virginia Polytechnic Institute and State University.

Barbara O. Francis, MBA

Ms. Francis joined CMA and the CHEMSTAR Department staff in 1989. She is responsible for the management of the Ketones and Oxo Process Panels, as well as two new groups — Hydrocarbon Solvents Panel and Solvents Council.

Before coming to CMA, Ms. Francis was with Interspan Inc., a management consulting firm. Previously, she held the position of product planner for Hoechst Celanese, Inc., and also served as a translator for the US Air Force in Europe. Ms. Francis received an MBA from Virginia Polytechnic Institute and State University, and a B.S. in Biology and Chemistry from Bishop's University in Quebec, Canada.

Robert R. Romano, Ph.D.

Dr. Romano joined CMA in 1980 as a manager in the Environmental Division where he was responsible for the water and air programs. In 1985, he joined the CHEMSTAR Department as an Associate Director. He continued this year as manager of the Chlorine Dioxide, Ethylene Dibromide, Ethylene Oxide, Phosgene, and Water Additives Panels.

Dr. Romano came to CMA from the US Nuclear Regulatory Commission, where he worked as an Associate Project Director. Previously he worked on a school fluoridation project for the Indiana State Board of Health. He has also taught at Del Mar College and American University. Presently, Dr. Romano is an adjunct Environmental Engineering Professor at George Washington University and teaches courses in environmental management and program management. He received a Ph.D. in Environmental Sciences and Engineering from Purdue University.

Marian K. Stanley, MBA

Ms. Stanley joined CMA and the CHEMSTAR Department 1990. She is responsible for the management of the Phthalate Esters, Specialty Acrylates/Methacrylates, Maleic Anhydride, Propylene Oxide and Naphthalene Panels as well as the Regulatory Data Council.

Before coming to CMA. Ms. Stanley was with E.R. Squibb and Sons for 12 years, holding a variety of technical and managerial positions. Her last position was as Technical Project Manager for Squibb®Mark, a Division of E.R. Squibb and Sons. Previously, she was employed as both a development and analytical chemist at Union Carbide Corporation. Ms. Stanley received a MBA in Pharmaceutical/Chemical Studies from Fairleigh Dickinson University, and a B.S. in Chemistry from Pratt Institute.

SENIOR PANEL MANAGERS

Susan Anderson Lewis, Ph.D.

Dr. Lewis joined CMA and CHEMSTAR in 1995. She is responsible for the management of the Ethylene Glycol Ethers, Methyl Bromide, Phenol Safety and Propylene Glycol Ethers Panels.

Prior to joining CHEMSTAR, she was with Hazleton Washington, a contract research organization where she held various positions in Toxicology Chemistry Support, Formulations, Quality Management and Quality Assurance. Previously, she had conducted research in selenium metabolism and nutritional trace metals at the US Department of Agriculture. Prior to the USDA she was employed at Childrens Hospital National Medical Center, first in Research and later as Administrative Technologist of the Clinical Chemistry Laboratory. Dr. Lewis is the author of over 20 scientific publications. She received her Ph.D. and M.S. in Analytical Chemistry from the University of Maryland, and her B.S. from Oxford Polytechnic in England.

Kathleen Roberts, B.S.

Ms. Roberts joined CMA and the CHEMSTAR Department in 1991. She is responsible for the management of the Acetone, Aryl Phosphates, Chlorinated Pool Chemicals, Ethylene Dichloride, Ethylene Glycol, Fluoroalkenes, Hexamethylene Diisocyanate, and Vinylidene Chloride Panels. In addition, she man-

ages the Fuels Detergent Performance Task Group under the Petroleum Additives Panel. She also serves as Administrator of the Hydrogen Fluoride Industry Practices Institute, a subsidiary corporation of CMA which develops and publishes recommended practices for the HF industry in transportation, storage, materials of construction, personal protective equipment, and other areas of concern.

Before coming to CMA, Ms. Roberts was Product Manager with Jellinek, Schwartz, Connolly & Freshman, an environmental consulting firm. In the firm's Pesticide Reregistration Division, she managed several pesticide testing programs required under FIFRA. Previously, she was a laboratory technician for Hazleton Laboratories America, conducting genetic and inhalation toxicology studies. Ms. Roberts received a B.S. degree in Biology from the University of North Carolina at Chapel Hill.

Cecilia W. Spearing, M.S.

Ms. Spearing joined CMA and the CHEMSTAR Department in 1991. She is responsible for management of the Isopropanol, Diisocyanates, Phosphorus and Toluene-diamines Panels and the Olefins Environmental Issues Task Group. She also manages the alpha-Olefins, Tris(chloroalkyl)phosphates, and the Ethylene(bis)stearamide Panels, that formed specifically for participation in the OECD High Production Volume Existing Chemicals Voluntary Testing Program.

Before coming to CMA, Ms. Spearing was employed at the American Institute of Biological Sciences as Project Coordinator, Peer Review Panels, under contract to the US Army Medical Research and Development Command. Prior to this, she retired from Federal Government service following twenty years as a science administrator with the National Science Foundation. In her earlier career with the government, she held appointments as Chemist with the Food and Drug Administration, the National Institutes of Health and Walter Reed Army Institute of Research. Before coming to Washington, Ms. Spearing was an Instructor of Biology at Barber-Scotia College in Concord, North Carolina. She also worked as a medical research technician at Cornell University Medical College and Columbia University's College of Physicians and Surgeons, both in New York City. Ms. Spearing received a B.A. in Chemistry from Hunter College of the City of New York. Additionally, she received an M.A. in Science Education from Teachers College, Columbia University and an M.S. in Biochemistry from The George Washington University School of Medicine and Health Sciences.

PANEL MANAGER

Fernando S. Leiva, M.A.

Mr. Leiva joined CMA and the CHEMSTAR Department in May 1992. He is responsible for the Hydrogen Fluoride, Oleylamine, Alkylphenol and Ethoxylates, and the Brominated Flame Retardants Panels.

Before joining CMA, Mr. Leiva was Safety Director with the City of Charlotte and Mecklenburg County governments. Previously, he was an Area Loss Control Engineer for Burlington Industries. He is fluent in Spanish, and has acted as translator for the Federal courts in Charlotte. Mr. Leiva received a M.A. degree from the University of North Carolina at Charlotte and a B.S. degree in Biology and Chemistry from Guilford College.

Leah L. Porter, Ph.D.

Dr. Porter joined CMA's CHEMSTAR Department in 1995. Currently she is responsible for the management of the Polychlorinated Biphenyls, Cresols, Cumene and Metal Catalysts Panels.

Before joining CMA, Dr. Porter was Manager of International Projects and of the Biotechnology Group of the Glahé International Group's Washington, DC office. Her responsibilities included providing clients with regulatory and technical information for market development and expansion, with emphasis on Pacific Rim countries.

Dr. Porter received a B.S. in Botany/Science Journalism from the University of Maryland, College Park. She earned her M.S. and Ph.D. degrees in plant pathology and in agricultural economics from Cornell University. She has authored research articles on phytotoxins, mode of action of biocompatible fungicides and the economic impact of regulation on agricultural chemicals.

MANAGER, CHEMSTAR SERVICES

Devonne Bilal, B.S.

Ms. Bilal joined CMA and the CHEMSTAR Department in 1980. She is responsible for management of technology activities, including data base development, data compilations such as protocols, and production of videos, publications and newsletters. She also coordinates production of Department publications such as the CHEMSTAR News and the CHEMSTAR Annual Report. She provides management services to the Regulatory Data Council.

Before coming to CMA, Ms. Bilal was a Personnel Clerk at the Department of State, Bureau of Consular Affairs, responsible for the Passport Services function. Earlier, she taught English, history and mathematics at Muhammad University. Ms. Bilal received her B.S. in Business Administration from Strayer College in Washington, DC.

SENIOR ADMINISTRATIVE ASSISTANT

Patricia A. Messenger

Ms. Messenger joined CMA and the CHEMSTAR Department in 1982. She became Senior Administrative Assistant, Business Councils in 1993. She is responsible for administrative oversight of all Business Councils managed within the Department, as well as direct administrative support and task group management for the Total Quality Council.

Before coming to CMA Ms. Messenger was administrative assistant at Clas Riggs Owens & Ramos, Architects, and technical services representative at the Burroughs Corporation. Earlier she instructed the mentally and physically challenged in Summit County, OH. She also received an elementary grades teaching certificate from the Catholic Diocese of Cleveland. Ms. Messenger studied Biology at the University of Akron and is currently completing her degree in Business Administration at Strayer College.

Legal Counsel

The Panels and Councils were directly assisted by the CMA Office of General Counsel in antitrust, contract, research and regulatory areas. Reflecting the importance and complexity of their issues, a CMA attorney is assigned full-time to the affairs of CHEMSTAR. To ensure that antitrust protection is consistently maintained, CMA attorneys counseled Panel and Council chairmen, as well as Department staff, on proper procedures. As usual, staff attorneys reviewed all Panel and Council comments, contracts, reports, agendas, and minutes as part of routine protective measures. In research, the assigned CMA counsel supported Department managers in drafting and negotiating the nearly 163 contracts awarded this year to laboratories and consultants. In advocacy, the CMA counsel supervised the activities of outside counsels retained by the Panels and Councils. The CMA counsel provided advice on regulatory activities and ensured that member company legal counsels were informed of significant developments.

COUNSEL

Steven K. Russell, J.D.

Mr. Russell joined the CMA Office of General Counsel in 1995 as Counsel to CHEMSTAR. He reviews and provides counsel in production of all substantive Panel and Council documents including contracts, regulatory comments, legislative correspondence and testimony, filings in litigation, and press releases. In addition, he advises Panels and Councils on antitrust issues and manages retained counsel.

Before coming to CMA, Mr. Russell was a partner in the firm Ferguson and Russell, P.C., where he also served as Assistant General Counsel to the American Crop Protection Association. He holds a B.A. from the University of Kansas, and a J.D. from California Western School of Law.

Department Managing Staff

From left to right: Fernando Leiva, Patricia Messenger, Langley Spurlock (standing), and Devonne Bilal.

From left to right: Kathleen Roberts, Leah Porter, Susan Lewis, and Carol Stack (standing).

From left to right: Steven Russell (Office of General Council staff, standing), Robert Romano (standing), Hasmukh Shah, and Marian Stanley.

From left to right: Cecilia Spearing, Jonathon Busch (standing), Barbara Francis, Elizabeth Watson, and Elizabeth Moran.

The CHEMSTAR Vision

"To be the most effective provider of technical and management services for specific issue groups within the chemical industry. To have our groups be the best in the world at addressing advocacy, research, education, communication, and evaluation issues in their focus areas."