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A President's Eye View of CHEMSTAR



On June 1, 1993, Robert A. Roland retired from CMA after 15 years as its President. His successor, Fred Webber, came to CMA in November 1992 to learn about CMA and affect a smooth transition. Recently, we spoke to both gentlemen about their impressions of CHEMSTAR.

(NEWS) *Bob, what do you think are the major accomplishments of CHEMSTAR over the past few years?*

(ROLAND) What distinguishes CMA from other industry organizations is its ability to understand and reflect the needs and the changing interests of its member companies. CHEMSTAR has been an important part of that awareness and process. What started off 20 years ago as a simple opportunity for the Manufacturing Chemists Association to engage in individual product research on behalf of selected member companies (because our bylaws proscribed us from doing that with dues money) has evolved into not just research, but advocacy and CHEMSTAR Business Councils... And a closer working relationship, a literal matrix, with CMA's core programs. That didn't exist in the early days.

And CHEMSTAR is now such a part of our organization at CMA that we can do start up programs, we can do independent programs, we can do integrated programs within CHEMSTAR. That's an evolution over the last couple of years.

The growth of CHEMSTAR says to me that CHEMSTAR makes a real contribution to the chemical industry's ability to manage and resolve problems with one-stop shopping. CMA gives industry

a variety of vehicles with which to solve its problems. An important part of CMA's basket of services, a much more important part... and growing in importance... is CHEMSTAR. It gives us an opportunity to reach out and provide a home for some of the special interests and to connect with the reputation, the services, the commitment, the professionalism of CMA.

I have to tell you that it's been one of my great delights that the CMA core programs and CHEMSTAR have catalyzed one another into a bigger, smarter, better, total organization. We found a way to deal with the diversity of products, the diversity of markets, the diversity of companies within a single orientation, a single goal, a single philosophy.

(NEWS) *Fred, what are your first impressions of CHEMSTAR?*

(WEBBER) I have been very impressed by the caliber of the CHEMSTAR staff. Not only their level of education and expertise, but their enthusiasm and dedication.

I find the whole idea of CHEMSTAR — a method for concentrating the financial and sweat equity of our member companies — to be a terrific way for the chemical industry to maximize use of their resources.

(NEWS) *What kinds of things do each of you think that CHEMSTAR could improve upon?*

(ROLAND) I think that CHEMSTAR, like CMA, has to increase its flexibility, its resilience. CHEMSTAR has to watch that it doesn't become overly bureaucratic. I also think that CHEMSTAR, if it wants to be a major player in this emerging area of association service, has to retain a high customer service orientation.

(WEBBER) I think that CHEMSTAR will have to recognize some limitations and guard against trying to do too much. I worry about overloading our staff executives.

(NEWS) *Fred, what part do you see CHEMSTAR playing in achieving the Association's newly identified Major Improvement Opportunities?*

(WEBBER) As I said before, CHEMSTAR is an example of the maximum utilization of industry resources. I think CHEMSTAR will serve as one model for the rest of the Association on this. I think

the CHEMSTAR staff also will bring valuable insights to the Association's prioritization of issues. In addition, the CHEMSTAR Panels and Councils provide magnificent vehicles for spreading the messages and practices of Responsible Care®. I would also look for CHEMSTAR to provide technical expertise on specific chemical issues to bolster CMA's efforts to foster risk-based public policy.

(NEWS) *Thank you, gentlemen. We look forward to meeting, and even exceeding, the challenges that you have described.*

FEATURE

CHEMSTAR Roll-Call

The following update of CHEMSTAR panels and councils is provided for your information. If you have any questions or need information on any panels or councils, contact Kim Reed at 202/887-1191.

Councils

American Plastics
Atmospheric Research
Carrier Assessment
Chemical Distributors
Chlorine Chemistry
Total Quality

Panels

Acetone
Alkanolamines
Alkylphenols and Ethoxylates
Aryl Phosphates
Biocides
Brominated Flame Retardants
Butadiene
Butylated Hydroxytoluene
Carbon Disulfide
Chlorinated Pool Chemicals
Chlorine Dioxide
Chlorobenzenes
Cobalt
Cresols

Crystalline Silica
Cumene
Cyclohexane
Dibenzofurans/Dibenzodioxins
Diisocyanates
Dinitrotoluenes
Ethylenebis (stearamide)
Ethylene Dichloride
Ethylene Glycol
Ethylene Glycol Ethers
Ethylene Oxide
Fluoroalkenes
Hexamethylene Diisocyanate
Hydrazine
Hydrogen Fluoride
Hydroquinone
Inorganic Acid Mists
Isopropanol
Ketones
Laboratory & Research Chemicals
Maleic Anhydride
Metal Catalysts
Methyl Bromide

Naphthenates
Nitrosamines
Olefins
α-Olefins
Oleylamine
Oxo Process
Petroleum Additives
Phenol
Phosgene
Phthalate Esters
Polychlorinated Biphenyls
Propylene Oxide
Rubber Additives
Sodium Bromide
Specialty Acrylates/Methacrylates
Terephthalates
Titanium Dioxide
Toluenediamines
Tris(chloroalkyl)phosphates
Vinyl Chloride
Vinylidene Chloride
Water Additives

Petroleum Additives

This is the latest article in a series which highlights the activities of the various CHEMSTAR Panels and Councils.

The Petroleum Additives Panel formed in 1990 as a result of expanded interests among manufacturers and marketers of lubricant and fuel additives. The Panel is an evolution of the Lubricant Additives Panel which had been established earlier to address international marine pollution control regulations. The Lubricant Additives Panel conducted marine aquatic toxicity studies to support proper IMO pollution category designations.

Expansion of the scope of activities to include the development of a Product Approval Code of Practice for engine oil testing, and the need for response to Clean Air Act regulatory initiatives on fuel additives, resulted in closure of the Lubricant Additives Panel and the formation of the Petroleum Additives Panel. Three Task Groups were established: the Fuels Detergent Performance Task Group; the Health, Environmental and Regulatory Task Group; and the Product Approval Protocol Task Group.

Panel member companies include: Shell International Chemical Company; Witco Corporation; Ciba-Geigy Corporation; Petrolite Corporation; Shell Chemical Company; Mobil Chemical Company; DuPont; Rohm and Haas; Texaco Additive Company; The Lubrizol Corporation; Castrol Inc. NA; Nalco Chemical Company; Ethyl Corporation; Oronite-Chevron Chemical Company; Rohm GmbH; Paramins-Exxon Chemical Company; and, BASF Corporation. John Sanders of Oronite-Chevron Chemical Company chairs the Panel.

Fuels Detergent Performance Task Group

The Task Group formed to address an anticipated EPA rulemaking under Section 211 (l) of the 1990 Clean Air Act amendments. The CAA requires that all gasoline contain additives to prevent the accumulation of deposits in engines or fuel supply systems by January 1, 1995. EPA rulemaking has been delayed. EPA issued a rulemaking proposal in December 1993 and anticipates that a final rule will be in place by October 1994.

The Product Approval Code represents a major breakthrough in helping to ensure that an engine lubricant meets its intended performance levels.

The Task Group strongly supports a performance-based standard and fuel specifications based upon intake valve deposit and port fuel injection deposit tests. Although opposed to chemistry-based specifications, the Task Group has provided EPA with input on additive chemistry and has addressed technical concerns on fuel detergent in response to Agency requests.

The Chair of the Task Group is Chip Millard of the Nalco Chemical Company.

Health, Environmental and Regulatory Task Group

Under the Panel's reorganization phase, the Lubricant Additives Panel became the HER Task Group. Although the Task Group has responded to regulatory initiatives, the focus of the group has centered on addressing testing needs. In conjunction with the European Addi-

tives Technical Committee, the Task Group is conducting an aquatic toxicity research program on several classes of lubricant additives. The data will be used to support European environmental labeling requirements and environmental hazard assessments in the U.S.

The Task Group also is participating in Phase 2 of the OECD HPV existing chemicals voluntary testing program, specifically addressing reproductive toxicity data needs on zinc dialkyldithiophosphates. A ZDDP water solubility study is also planned. The group will conduct a developmental toxicity study on dodecyl phenol when EPA issues a final reproductive "endpoint" rule requiring this study.

The Task Group is awaiting an EPA final rule on fuels and fuel additives registration mandated under Section 211(b) of the Clean Air Act. The Rule, now scheduled to be published in April 1994, will require fuels and fuel additives manufacturers to conduct tests to determine the potential public health effects of combustion emissions.

Issues being addressed by the Task Group include: the extent of toxicity and emission characterization testing for fuels or additives; the possible negative impact on the registration of new fuels or additives; the lack of accepted testing methods and facilities; the "grouping" of fuels/additives for testing purposes; after market additives; and a *de minimus* exemption for fuel additives.

The Chair of the Task Group is Charles Keller of Paramis-Exxon Chemical Company.

Product Approval Protocol Task Group

The Task Group was formed to develop a Product Approval Code of Practice for engine oil testing. By defining standard processes for the conduct of engine tests, the Code represents a major breakthrough in helping to ensure that an engine lubricant meets its intended performance levels. The Code became operational in March 1992.

The Task Group also believes that testing under the Code will result in more cost effective engine testing — a mutual benefit to lubricant formulators and their customers. To date, eighteen companies have filed a "Letter of Intent" to comply with the practices defined by the Code.

The Panel established the CMA Monitoring Agency—Registration Systems, Inc., — to provide oversight, administrative and advisory services related to candidate engine testing in accordance with the Code. RSI maintains communications and data management systems

for registering and recording engine test data on candidate formulations. In the first year and a half of Code operation, approximately 6,000 engine tests were registered.

Company compliance to the Code is reviewed annually. Companies with a Letter of Intent on file with CMA are required to submit to an annual external audit and submit a "compliance checklist" to the Panel.

Panel liaison has been established with U.S. and international stakeholders in the engine oil testing process. The Task Group has held briefings on the Code of Practice in the U.S. and in Europe, and a formal organizational liaison has been established with the European Additives Technical Committee.

Future Plans

The Panel and its task groups will respond to EPA regulatory initiatives on fuels and fuel additives under the CAA. The voluntary research programs in

progress will continue into 1994 and beyond and TSCA Section 4 testing requirements will be addressed by the HER Task Group.

The PAP Task Group will continue to be involved in activities related to the Code of Practice operation. Work in progress includes: 1) development of a template for acceptance of new engine tests into the Code; 2) proactive monitoring of the candidate oils data base to flag potential problems with the engine tests; 3) an annual benchmarking of the lubricant test monitoring system and processes for engine test stand/laboratory calibration defined in the Code; and 4) extension of the Code compliance requirements to engine testing laboratories.

For more information, contact the Manager of the Petroleum Additives Panel, Dr. Carol Stack, at 202/887-1196.

EGE Pan I Wins th West*(Sacramento, CA, April 8)*

The Ethylene Glycol Ethers Panel testified before the California Senate Committee on Appropriations opposing legislation that would ban the use of two ethylene glycol ethers. SB 547, introduced by Senator Tom Hayden, would amend the current California Labor Code to prohibit an employer from using diethylene glycol dimethyl ether or ethylene glycol monoethyl ether after January 1, 1997. After this date, use of these materials would have been a criminal misdemeanor. Representatives of the Semiconductor Industry Association also testified in opposition of the bill. The bill was successfully defeated. Nevertheless the issue received Committee approval for reconsideration. Reconsideration of the bill could occur in 1994. *For more information, contact Kathryn Rosica at 202/887-1293.*

Hydrazine West Meets Hydrazine East*(Washington, DC, May 13)*

The Hydrazine Panel provided information that was used by its Japanese counterpart in preparing comments to the Japanese Ministry of Health and Welfare (MOHW) on its proposal to add hydrazine to the list of Poisonous and Corrosive Substances. In August, the MOHW granted an extension until October 1994 to allow for discussion of comments received from industry. *For more information, contact Dee Kuhn at 202/887-1300.*

PHE Pan I Shares Information*(San Antonio, TX, June 28, 29, and 30)*

The Phenol Panel held its semi-annual Information Exchange Meeting. The purpose of the meeting was to share information on the safe handling of phenol. Presentations were made on the following topics: tank decontamination procedures; hazardous waste drums; personal protective equipment; closed loading procedures; and product stewardship programs. Aristech and Georgia Gulf, co-winners of the 1991 Proactive Safety Award, shared significant factors that contributed to their success achieving this recognition. The next Information Exchange session will be held this fall at CMA. The Panels' 4th Annual Proactive Safety Awards will be presented at that time. *For more information, contact Kathryn Rosica at 202/887-1293.*

CCC Name Change*(Washington, DC, September 8)*

Acting on recommendations from its Outreach Task Group, the Chlorine Coordinating Council revised its name to Chlorine Chemistry Council and made two other identity changes. CCC believes these changes will help the public recognition of the Council as a positive player on chlorine issues. The Council included "chemistry" in the name to reflect the broader scope and goals of the Council. In addition, the "Chlorine Strategy Group" has been renamed the "Chlorine Chemistry Council Operating Committee". Finally, Brad Lienhart, loaned executive from The Dow Chemical Company, has been titled, "Managing Director, Chlorine Chemistry Council". The Council agreed that Lienhart should be recognized as a Senior Industry Executive providing leadership to the Council. Lienhart also will chair the Operating Committee. Congratulations, Brad! *For more information, contact Brad Lienhart at 202/887-6946.*

EGE Panel Talks to OSHA*(Washington, DC, July 21)*

Representatives of the Ethylene Glycol Ethers Panel that manufacture ethylene glycol monomethyl ether, ethylene glycol monoethyl ether, and their acetates, testified and participated in three days of OSHA hearings. OSHA has proposed an occupational exposure standard lowering the current Permissible Exposure Limits for these materials, along with other provisions relating to industrial hygiene and medical surveillance. Panel members sought modification of a number of practical considerations relating to hygiene and surveillance in the proposed rule. Post-hearing comments are being accepted until November.

The final rule is expected in 1994. *For more information, contact Kathryn Rosica at 202/887-1293.*

EGE Task Group Chats with NTP*(Research Triangle Park, NC, July 19)*

The Ethylene Glycol Ethers Toxicology Research Task Group met with Dr. Bernie Schwetz, National Toxicology Program Director, and other NTP scientists to review a recently initiated chronic bioassay on ethylene glycol monobutyl ether. The TRTG also presented the results of completed and ongoing Panel sponsored research on EGBE. The participants explored opportunities for collaborative work, particularly in the area of pharmacokinetics. The TRTG will continue to work with NTP and share new data as it is developed. *For more information, contact Kathryn Rosica at 202/887-1293.*

OXO Process Plays Musical Chairs

Congratulations to Dr. Tipton Tyler of Union Carbide who has stepped forward to chair the Oxo Process Panel's TRTG. Dr. Tyler will replace Dr. Derek Guest of Eastman Kodak who was recently transferred to Kodak's Washington D.C. office. In addition to leading this group, Dr. Tyler shares his expertise with several CHEMSTAR groups. He currently chairs the Oxo Process Panel's Butyl Acetate Task Group and Ethyl Acetate Task Group as well as the recently formed Neurotoxicity Technical Task Group. Three cheers for Dr. Tyler's excellent work and fine leadership.

Ketones TRTG Leadership Change

The Ketones Panel named Dr. Douglas Topping of Eastman Kodak to chair the TRTG. Dr. Topping will replace Dr. Tipton Tyler of Union Carbide. We look forward to continuing the Ketones TRTG's tradition of hard work under Dr. Topping's leadership. Good luck, Doug!

Hydrazine Panel Chair Changes

Congratulations to Hydrazine Panel Chair David Hackathorn of Miles Inc. who has accepted a position within Miles as Director of Health, Environment and Safety for the new production plant in Martinsville, West Virginia. Sherry Duff of Olin Corporation has been elected to fill the Chair position. Thanks to David for his contributions and welcome to Sherry!

PE Task Group Switches Leader

Eastman Kodak has transferred Dr. Derek Guest to its Washington, D.C. office as Director of Environmental Affairs. As a result, he will no longer chair the Phthalate Esters Panel's Food and Drug Applications Toxicology Task Group. Dr. Sandra Murphy of BASF will chair this Task Group as well as the Panel's Toxicology Research Task Group. Good luck to Derek and thanks to Sandra for doing double duty.

CHEMSTAR Promotion

Barbara Francis of CHEMSTAR has been promoted to Associate Director within the Division. Barbara joined CHEMSTAR as a Panel Manager in 1989 and was promoted to Senior Panel Manager in 1991. She currently is responsible for managing the Cresols, Dinitrotoluenes, Ketones, and Oxo Process Panels. Barbara's promotion reflects her exceptional contributions to CHEMSTAR Panels and her leadership within the Division and CMA. Kudos, Barbara!

NEW TO CHEMSTAR

The Maleic Anhydride Panel recently formed under CHEMSTAR to promote the principles and practices of Responsible Care® with a primary emphasis on product stewardship. The Panel may also consolidate maleic anhydride industry positions in conduct of advocacy. Initially, the Panel will produce videos on health and safety as well as general handling practices. The Panel will consist of the active suppliers and manufacturers of maleic anhydride in the U.S.

Members of the Panel include: Amoco Chemical Company; Ashland Chemical, Inc.; Miles, Inc.; and, Monsanto Company. Richard Demboski of Ashland Chemical has been named as Chair. *For more information, contact the Maleic Anhydride Panel Manager, Marian Stanley at 202/887-1207.*

Comments

Comments to EPA on the Thirty-First Report of the TSCA Interagency Testing Committee; Propylene Glycol Ethers (*filed by the Propylene Glycol Ethers Panel, June 4, 1993*)

Comments to EPA on the Thirty-First Report of the TSCA Interagency Testing Committee; Tetraethylene Glycol Monomethyl Ether (*filed by the Ethylene Glycol Ethers Panel, June 4, 1993*)

Comments to the Department of Labor on the Occupational Exposure to 2-Methoxyethanol, 2-Ethoxyethanol and Their Acetates; Proposed Rule (*filed by the Propylene Glycol Ethers Panel, June 4, 1993*)

Comments to EPA on EPA's Request for Information on Company Actions Regarding 2-EHA Hazard Communications and Prevention (*filed by the Oxo-Process Panel, June 4, 1993*)

Comments to the Department of Labor on OSHA's Proposed Rule of 2-Methoxyethanol, 2-Ethoxyethanol and Their Acetates (*Glycol Ethers*) (*filed by the Ethylene Glycol Ethers Panel, June 7, 1993*)

Comments to EPA on the TSCA Proposed Significant New Use Rule Concerning 2,3,5,6-Tetrachloro-2,5-Cyclohexadiene-1,4-dione (*Chloranil*) (*filed by the Brominated Flame Retardants Panel, June 14, 1993*)

Comments to IRIS on the RfD and RfC for MIBK (*filed by the Ketones Panel, June 21, 1993*)

Comments to IRIS on Cresol Toxicity (*filed by the Cresols Panel, June 21, 1993*)

Comments to EPA on the Proposed Rule "Protection of the Stratospheric Ozone," (*filed by the Acetone Panel, June 28, 1993*)

Comments to EPA on the Proposed Rule "Protection of the Stratospheric Ozone," Significant New Alternative Policy, (*filed by the Ketones and Oxo-Process Panels, June 28, 1993*)

Comments to EPA on the Approach to Accelerate Testing of Aryl Phosphate Basestocks (*filed by the Aryl Phosphates Panel, July 7, 1993*)

Comments to EPA on the Hydrogen Fluoride Preliminary Findings (*filed by the Hydrogen Fluoride Panel, July 12, 1993*)

Comments to the Department of Transportation on Olin's Petition to Add a Category for 37% Hydrazine (*filed by the Hydrazine Panel, August 9, 1993*)

Comments to Executive Director of ITC on the Potential for Worker Exposure to Butyraldehyde and Environmental Releases, (*filed by the Oxo-Process Panel, August 24, 1993*)

Federal Register Notices

"EPA Revised List of 'Open Season Chemicals' for Consent Agreement Development," (*58 FR 43893, August 18, 1993*)

Final Report

"Hydrazine 64% Aqueous Solution Acute Inhalation Toxicity in Rats 1-Hour Exposure," (*filed by the Hydrazine Panel, July 16, 1993*)

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UPCOMING EVENTS

International Conference on Crystalline Silica Health Effects: Current State-of-the-Art

The John Hopkins School of Hygiene and Public Health will sponsor an International Conference on Crystalline Silica Health Effects to discuss the current understanding of health effects of this agent, and plan how to appropriately integrate this knowledge into public regulatory policy. The conference will feature plenary sessions with reviews by invited speakers as well as sessions with panels of investigators. Abstracts of presentations must be received by January 14, 1994. The conference will be held April 18-20, 1994 at the Stouffer's Harborplace Hotel in Baltimore, MD. *For more information or to register for the conference, contact Dr. M. Corn, Department of Environmental Health Sciences, Johns Hopkins School of Hygiene and Public Health, at 410/955-3602.*

Competitive Advantage Through Environmental Technology: An International Conference & Exhibition

The California Environmental Protection Agency, the Responsive Energy Technology Symposium & International Exchange (RETSIE), Local Government Commission, and Chemical Manufacturers Association will cosponsor the upcoming Competitive Advantage Through Environmental Technology: An International Conference and Exhibition, to be held May 4-6, 1994 at the San Diego Convention Center.

This conference is designed to stimulate the economy through the export of environmental technologies. The conference program will include technical presentations, sessions on current and future legislation and regulations, protocol issues, and "how to do export business." The conference will showcase the latest cutting-edge environmental technologies through an exhibition of 100-200 exhibitors, and will also provide a forum for environmental businesses to network with foreign buyers. *For more information, contact Sarah Pearson, Local Government Commission, at 916/448-1198.*