GREEN CARS ARE BACK, BUT DON'T CALL THEM THAT

By Donna Larcen
The Hartford Courant

You have your choice of Cayman, Calypso, Caribbean, aquamarine, teal, jade gray metallic, dark emerald pearl and deep jewel.

All of these tones are shades of green, a color that is making a vibrant comeback in the car world.

"It's a family of colors that we feel will be strong," says Bonnie Cunningham, color and trim manager for Ford's North American Design studio.

But although most car lines are offering green cars, they don't call them that. "That tends to turn people off," Cunningham says.

"If you walk out and tell your friends you bought a green car, they'd say, 'Oh, OK.' But tell them you bought a Cayman metallic car, and they'll want to see it right away."

Saab Scania thinks its green is so special that "it's the only color we're using for the limited edition 9000CD Turbo Griffin," says Karin A. Nobile, media information manager for Saab Cars USA Inc. Only 400 of the $42,195 cars are being imported. They're not calling it green; they're calling it "eucalyptus."

If that's too much money for you, eucalyptus is available in the $31,500 Saab 900.

Buick is using a metallic aquamarine shade of its Skylark model in national ads showing California artist Ed Lisker's modern interpretation of the Skylark GS.

General Motors Corp. offers its GEO Storm in a bright aquamarine.

Ford Motor Co.'s Mustang and Probe come in bright metallic calypso-green that leans toward aqua, and the Mustang also is available in deep emerald green.

(Continued on page 3)

CHAIRMAN'S CORNER

A candy jar once occupied the corner of my desk, but that has been replaced... both the jar and the desk. An aseptic dispenser for training aids has been substituted for the candy jar and a computer work station now stands in place of the desk. Times they are a 'changeling.'

In this the 50th Anniversary Year of the Society, let's look to the future. What do the next 50 years hold in store? Take the training aids, for example. They come in five colors and here is what we can say they stand for:

- red depicts — MATERIALS
- orange is for — MANPOWER
- brown represents — MACHINES
- yellow illustrates — METHODS
- green, the environment — MILIEU

The five colors are the M&M candy "training aids" in my dispenser, while the five M's represent the categories in Dr. Ishikawa's cause-and-effect method...perhaps familiar to you as his Fishbone Diagram.

Let us see whether the five M's can be applied to the future of the plastics color industry. To begin with, the public has justifiable concerns about hazardous materials, which we must address. This Newsletter has a photo of former CAD Chairman Mike Ferrell, who was presented with a special Environmental Respect Award for replacing heavy metal pigments in engineering plastics. His accomplishment thus involves both MATERIALS and MILIEU.

Next, the ISO 9000 Standards exemplify the wave of the future. These standards require extensive documentation in the form of written METHODS. Also, they call for appropriate training of MANPOWER and constant calibration for all MACHINES. Now, if you count them, you will see that all these M's have been applied. And in the brief space allotted, we have cited quite a number of the industry's concerns of the next 50 years.

Color & Appearance Division has a vision of the future. $10,000 was recently applied toward the Society's long range goals, putting the Capital Funds Drive over the top.

A new look of the future for the Division is seen in the optically-brightened, white golf shirts, boldly emblazoned with a fluorescent rainbow design. Our people will be highly visible as you look about ANTEC this year... for ten bucks you, too, can be comfortable. Shirts will go on sale a half hour before each of our ANTEC sessions.

CHARLEY BRADSHAW

TERRA TECH UPDATE

(Fremont, OH)—Color Matching graduates from Terra Technical College are employed in jobs across the United States. Eleven 1991 color matching graduates accepted positions within their field, while the remaining two graduates are employed in the plastics industry.

In Ohio are William Shover and Timothy Light, Thermocolor Corp., Sandusky; Annette Lynch, Allied Color, Cleveland; Nancy (Hoag) Shover, Phoenix Color & Compounding Inc., Sandusky; Bob Rich, Olidden, Cleveland; and Matthew Marksby and Robert Sunchcomb, Clevite Plastics, Milan.

Accepting positions in other states were Patrick Binkley, Allied Color, Phoenix, (Continued on page 3)
CAD Sessions At ANTEC

CAD participation of ANTEC includes morning and afternoon sessions on Tuesday, May 5.

The program includes nine papers covering such diverse topics as weathering, heat absorption, dispersion quality, regulatory considerations, quality improvement and recycling.

- **Effect of Weathering on Ultramarine Blue Pigment in Polyolefins**
  - F. Rodrigues—Bright Brothers Ltd.

- **Color and Considerations on Radiant Heat Absorption**
  - B. Donal—Dow Chemical; R. Mathew—Americhem Inc.

- **Analysis of Dispersion Quality in Highly Pigmented Polymer Systems Using Scanning Electron Microscopy and Image Analysis Techniques**
  - C.I.B. Dobbin—Colorex Inc.; W.B. Baker—Queen’s University

- **Interfacial Characteristics of Treated Titanium Dioxide Powders**
  - Y.J. Lee, D.L. Feke, J. Manas-Zloczower—Case Western Reserve University

- **Evaluating Organic Pigment Dispersion by Measuring Transmission Haze With Spectrophotometer and Hazemeters**
  - K.B. Cohn—BYK-Gardner, Inc.

- **Appearance Analyses and CMC for Quality Improvement**
  - R. Harold

- **Effect of Post-Consumer High Density Polyethylene Recycle on the Color of Pigmented Resin Formulations**
  - M.D. Read, K. Mulka—The Dow Chemical Co.

- **The Pursuit of Quality**
  - A. Haber—Tioxide Inc.

- **Regulatory Impact on Coloring in the 1990’s**
  - B. West—Techmer PM

Board Meeting Highlights

The CAD Board & TPC winter meeting was held on January 13 and 14 in Baltimore, hosted by SCM Chemicals.

The TPC reported that the '92 ANTEC will be held in Cherry Hill, NJ on September 15 and 16. A mix of papers and instrument seminars highlights the program.

**Treasurer**—Brian West—Finances remain strong, with a $25,000 net from the October RETEC, added to our $60,000 balance.

**Awards**—Terry Golding—The honorarium for best paper at RETEC and ANTEC was raised to $500. In the case of ties duplicate prizes will be awarded.

**Education**—Tim Lewis—CAD voted to make funds available to Terra Technical College for 20 scholarships in the Plastics Technology course. CAD members are also serving as guest lecturers at Terra. Tim is resigning as education chairman.

**Membership**—Jack MacMillan has resigned as membership chairman, with Tim Lewis approved as his replacement.

**Public Interest**—John Adams has resigned as public interest chairman.

**Finance**—The board has donated $10,000 to the SPE Capital fund.

**Next Meeting**—The next meeting of the TPC and BOD will be held in conjunction with ANTEC on Monday, May 4 at 2 p.m. All interested parties are invited to attend.

**CRAIG WEADON**
Acting Secretary

Council Report

The council meeting was held on February 28, 1992, in Orlando, Florida, where elections were held for the SPE Executive Committee (1992-1993) with the following results:

- **Henry J. Wojtaszek**—President
- **Lance M. Nerald**—President Elect
- **Bonnie J. Bachman**—First Vice President
- **David R. Harper**—Second Vice President
- **Jay L. Gardiner**—Treasurer
- **Norman E. Fowler**—Secretary

In addition to the elections, two new bylaws were read for the establishment of an Education Policy and Planning Committee as well as a Scholarship Committee. The bylaws will be read one more time and then voted on by the council.

Finances were also discussed in detail. SPE will show a projected 1991-1992 loss of $76,800 for the $5.5 million budget. The majority of the loss is attributed to additional cost associated with the fifth anniversary of SPE, and is quite moderate considering the low seminar and ANTEC attendance in 1991.

Bob Forger has given notice that he plans to retire in January of 1993. The Executive Director Transition Committee hopes to name a new Executive Director by the fall of 1992.

The Executive Committee has ratified the election of 27 Fellows and 12 Honored Service Members. In the future the nomination of Fellow of the Society will be coordinated by the nominee's division.

**JOHN E. COPP**, Council Representative

Color and Appearance Division

**1991-92 EXECUTIVE COMMITTEE AND OFFICERS OF THE BOARD**

**Chairman**—Charley Bradshaw
Americhem, Inc., (703) 782-4611

**Chairman Elect**—John Hackman
The Shepherd Color Co., (513) 874-0714

**Treasurer**—Brian S. West
Techmer PM, (615) 457-6700

**Secretary**—Tom Pfeiffer
Ampac Corporation, (812) 466-9282

**Council**
- **Representative**—John Copp
  Dow Chemical Co., (513) 636-9261
- **Past Chairman**—Don Deem
  Ampac Corporation, (812) 466-9282

**COMMITTEE CHAIRMEN**

**Awards**—Terry Golding
Spectrum Colors, (612) 535-4511

**Education**—Timothy Lewis
PMS Consolidated, (419) 668-4844

**Membership**—Timothy Lewis
PMS Consolidated, (419) 668-4844

**Newsletter**—John Graff
Miles Inc., (412) 777-7803

**Public Interest**—Craig Weadon
Polysolve, Inc., (219) 662-7200

**Technical Program**—Earl Sexton
Cranes Plastics, (614) 443-4091

**MEMBERS OF THE BOARD**

**1992 TERM**
- **John Adams**
  CIBA-Geigy Corporation, (914) 347-4700
- **Joe Cameron**
  GE Plastics, (304) 424-5819
- **Bruce Muller**
  Accurate Color, Inc., (216) 948-2035
- **Craig Weadon**
  Polysolve, Inc., (219) 662-7200

**1993 TERM**
- **Frank Fasano**
  Hoechst-Celanese Co., (401) 823-2458
- **Jack Graff**
  Miles, Inc., (412) 777-7883
- **Ron Harris**
  PMS Consolidated, (305) 752-7722
- **Tim Lewis**
  PMS Consolidated, (419) 668-4844

**1994 TERM**
- **Robert Charvat**
  Engelhard Corporation, (216) 360-5025
- **Terry Golding**
  Spectrum Colors, (612) 535-4511
- **Jack MacMillan**
  ICI Polymer Additives, (302) 886-3542
- **Bill Jarrett**
  Kerr-McGee Chemical Corp., (405) 775-5016
GREEN CARS (from page 1)

The Cayman green was introduced in the 1991 Ford Escort GT, the sporty version of the compact car.

"Fifty-one percent of the Escorts that sold were Cayman green," Cunningham says. "It makes us look pretty smart."

Cunningham proposes colors about two years ahead of model years. She looks at what is going on in the fashion world and interior design for offices. And there are color-consulting and forecasting companies.

"I was telling anybody who would listen a few years ago that teal would be a hot color," says Leatrice Eiseman, president of her own color-consulting company and head of Pantone, which produces color reference books for industry. "It's actually quite a sophisticated color and is the perfect marriage of green and blue."

Teal gets "amazing consumer acceptance" in market testing, Eiseman says. Consumers describe it as "fresh and exciting," two words that any marketer would use in selling any product. It's also a color equally accepted by men and women. Many of the new car shades are variations of teal.

Such shades do not work as well for more expensive cars, however.

"The teal is a youthful color," Eiseman says. "It's more likely to see the old British Racing Green or a deeper emerald tone in high-priced cars."

Concern about the environment is another subliminal factor.

"The 'green movement' has affected people," Eiseman says. "You see it in fashion. Sellers and buyers talk about their concern for the environment. Having a green product is one way to cash in on this."

Reprinted by permission of the Hartford Courant.

TERRA TECH (from page 1)

Arizona; Michael Briehl, Dow Chemical Co-op, Midland, Michigan; David Bryan, Concept Color System, Chicago, Illinois; Dale Dachenhaus, Milliken Chemical, Spartanburg, South Carolina; Michael Haubert, Allied Chemical, South Carolina; and Sally Eversole, Color for Plastics, Chicago, Illinois.

Some graduates are in a position to hire employees and have contacted Terra about the 1992 graduating class.

The College has experienced phenomenal growth in the Color Matching program this year. Over 40 people enrolled as first-year color matching students during 1991 Fall Quarter, up from 15 in 1990.

SPE CAD Scholarships were awarded to 15 students majoring in the Color Matching Program at Terra Technical College. The following receive $1,000 scholarships for the 1991-92 year: Terry Billow, Laura Brunet, Damian Gerwin, and Steven Kelbly, all Fremont; Erin Angelone and Robert Castillo, Gibsonburg; Erica Strauch, Clyde; Joel Trout, Mark Tyler and Edward McClusky, all Sandusky; Jay Holsapple and Anthony Butler, both Huron; Tracy Gregory Castalia; Peggy Dauch, Bowling Green; and Larry Willigruhe, Berlin Heights.

There are 17 students in the Student Chapter of the Society of Plastics Engineers. President is Erin Angelone, with Vice President Joel Trout, and Treasurer Jay Holsapple. The student chapter has planned some fundraisers for scholarships and to help offset travel and registration expenses for ANETC. During February the Firelands SPE Section toured Terra's plastics lab before their monthly meeting.
C.A.D. People

The goal of this column is to inform you of the activities of your friends and acquaintances in the Color and Appearance Divisions (C.A.D.). In order to accomplish this task we need your input so please either call or write the editor or John Copp of The Dow Chemical Company (517) 636-9281.

Don Deem has recently accepted a position as Technical Director of Accurate Color and Accurate Compounding in Lodi, Ohio.

Ron Harris of PMS Corporate Technical Center has been promoted to Corporate Technical Director and will continue to reside in Coral Springs, Florida.

Dale Yarbrough formerly of Hercules Fibers has accepted a position at PMS Consolidated in Buford, Georgia.

Vic Mimeault of Ampacet has returned from his stay in Europe to accept the position of Vice President Technical for Ampacet. Vic, a former member of CAD Board of Directors, also taught the SPE coloring seminar along with Rick Matthew for a number of years.

Jim Dewey, President of Uniform Color is going into semi-retirement while Bob DenHerder, Senior Vice President is watching over their new facility in Holland, Michigan.

Charlie Bradshaw, Chairman of the CAD, has made arrangements to have golf shirts made with the multi-color CAD logo printed on the front of the shirt. Bring some extra money with you to ANTEC where they will be on sale at a very reasonable price.

Ed Pollard has accepted a position with Spectra Polymers in Ashburnham, Massachusetts.

Remember to vote in the CAD election for Board of Directors and Technical Program Committee!!

Jack MacMillan of ICI has had to withdraw from his long time position as Membership Chairman of the CAD. His replacement will be Tim Lewis of PMS Consolidated. Thanks, Jack, for many years of faithful service!

John E. Copp

BIV WHACKS

Dear Readers:

I’ve used more than one of these columns to emphasize the importance of standards and specifications when communicating color requirements. However, NOT EVERYONE IS PAYING ATTENTION!

I just finished a phone conversation with a caller who said he was looking for some kind of color he could put in an uncolored plastic. His response to my question concerning the specific type of plastic brought the response, “Oh, I don’t know.” It was all downhill from there. Not only did he not know what polymer he was trying to color, he didn’t know what kind of machinery he would do it on, he didn’t know what sort of heat stability and lightfastness was needed, and he was unable to enlighten me as to what exactly would be made with the material assuming he ever does succeed in coloring it! I took the easy way out and suggested he contact someone else, but before doing so it might be a good idea to be able to answer some of the questions I posed.

Many of you probably don’t believe this incident really happened. On the other hand, others of you have undoubtedly had similar experiences. Since we are celebrating SPE’s fiftieth anniversary this year, I thought I might resurrect some of those questions and requests that might be considered grounds for justifiable homicide.

“I’m looking for a red dye which transmits 70 to 80% between six and seven hundred nanometers, but absorbs all light between seven and nine hundred nanometers.”

“What can I use to turn green plastic red?”

“Can you suggest a pigment which will change color reversibly (or irreversibly) at 200°F, and is FDA approved?”

“I need a transparent white dye.”

“What can I use to make a sort of dinosaur color?”

In response to that last one I can only say that I may be old, but I’m not that old. Try contacting some of the people mentioned in the CAD History feature.

Roy G. BIV

NEW!

Computer-Based Training Program

The Plastics Education Foundation of the Society of Plastics Engineers has developed a computer-based training program ‘Introduction to Polymeric Materials and Processing.’ This learning package covers all major topics associated with the areas of polymers including plastics, elastomers, and composites as well as polymer processing technologies such as injection molding, blow molding and extrusion.

It is an interactive self-paced program which can be used in selected portions or as an entire course. Based on the book Polymeric Materials and Processing by Jean Michel Charrier, it is intended for people new to the plastics industry, as a review for experienced personnel, or to train existing staff.

The program is divided into six separate sections:

0. General Information
1. CBT Objectives and Content
2. General Polymeric Concepts and Topics
3. Classes of Polymeric Materials
4. Properties and Standard Testing
5. Processing Techniques

The course is designed to run on computer systems with the following minimum hardware requirements:

- IBM PC or compatible
- 286-level technology or later preferable
- EGA (640×350) color resolution
- 3 MB hard disk space
- DOS version 3.0 or later

For further information contact Joan Godfrey, Society of Plastics Engineers, 14 Fairfield Dr., Brookfield, CT 06804. (203) 775-0471 (203) 775-8490 FAX.
In case you wondered how the Color and Appearance Division evolved, we have compiled a historical summary of the organizational period of the Division.

The forerunner to the CAD was the Coloring of Plastics PAG, organized in November 1960, when expertise and interests of SPE members were subdivided into professional activity groups. The primary groups at that time were local sections, and it wasn’t until 1970 that divisions were organized with equal authority to sections. Under the PAG concept SPE members were automatically given section membership, according to location, but had to take the initiative to join a PAG in order to participate in a technical group. There was no charge to join the PAG and the PAG had no budget from SPE. Now, SPE members designate a division when joining and a portion of the membership fee is rebated to the division.

Coloring of Plastics was an active PAG and held RETEC’s in 1962, ’65, ’66 and ’69. The name was expanded to Coloring and Finishing of Plastics PAG in order to appeal to those involved in painting, plating and other decorating processes. The Finishing group became part of the original CAD function but after a few years, Finishing became a separate Division. A prime function of the PAG was to conduct liaison relations with other professional societies. This was a means of keeping tabs on activities regarding color in other industries, but the effectiveness was somewhat limited because newsletters were sporadic and not SPE-financed. The Division concept led to regular, more usable newsletters.

In 1968 the SPE informed each PAG that in order to qualify as a Division for the reorganization, targeted for 1970 ANTEC, they must accomplish the following:

- Develop a scope, unique to that group’s interests.
- Petition potential members for signatures, indicating intent to join the Division.
- Elect a board from the petitioned membership, including officers and a council member. Previously, the SPE council only represented sections.
- Form functional committees to conduct business. Five were designated essential, including Technical Program.
- Develop programming for ANTEC and RETEC conferences. NATEC’s (national technical) were also part of the conference scheme.

It developed that nine Divisions qualified for the 1970 reorganization, including Color and Appearance. SPE members were later given the option of secondary membership so that they could, for an additional fee, participate in more than one field of expertise. A Divisions Committee was formed to help the groups organize and to encourage further Division development. The first CAD member list, some 240 people, was published in the April 1971 newsletter.

First Coloring of Plastics PAG Chairman had been Maret Bacci of Eastman Kodak, followed by Mel Gerson of San- doz, Bob Zabel of DuPont and Bob Charvat of Harshaw, who was the last full-term (2 years) PAG Chairman. Bill Longley of Ford served a one-year term and then became CAD Chairman upon Division organization in 1970.

The first CAD Board of Directors, largely PAG Officers, was elected by the new membership and the first Board Meeting and Division Membership Meeting were held at the May 1970 New York City ANTEC. Terms of office for the Chairman, Chairman-elect, Secretary and Treasurer were one-year, as compared to the two-year terms in the PAG. The PAG had no Treasurer. Following Longley, the other original officers—Jim Simpson of Ferro, Len Komar of National Lead and Tom Reeve of DuPont—all became CAD Chairmen. First Councilman was Zabel, first Nominating Committee Chairman was Charvat, following his PAG leadership and first Technical Program Committee Chairman was Myles Schneider of Ampacet. The full board and committee structure was listed in the August 1970 newsletter.

The CAD programmed two technical sessions for the ’70 ANTEC, consisting of eight papers. Session moderators were Frank Czech and Frank Fasano. The first paper was given by Fred Simon. The PAG had been negotiating with Dry Color Manufacturers Association for a “best paper” award and at that same 1970 ANTEC CAD Membership Meeting, the first DCMa award went to Tom Reeve and Bill Dills for a paper on Dispersion.

Following ANTEC the Officers published the first CAD newsletter in August 1970. The first newsletter editor was Herb Schwarz of Sherwin-Williams who did the December 1970 issue. He was later succeeded by Reeve. Newsletters were issued three times annually, and this was the major expense for the Division which had very limited funds, starting from scratch. The Treasury started to build as profitable RETEC’s were developed. The first RETEC programmed by CAD was held with the Cleveland Section in January 1971, chaired by Simpson. This was a one-day conference with seven papers and the fee was $22.

A great deal has occurred since 1970 and the CAD is still a leader in conference programming, newsletter and scholarship awards. But, it all started with the PAG in 1960, and the Division formation in 1970.

---

**FORMER CHAIRMAN WINS AWARD**

Michael Ferrell, of Dupont and the 1988-89 Chairman of the Color and Appearance Division, was recently presented with a special Environmental Respect Award for replacing heavy metal pigments in engineering plastics. He shares the award with co-workers, Theodore Siegel and Peter Welcker.

Dupont plans to phase out the use of these materials by the year 2000, a goal set by Edgar S. Woolard, Jr., Chairman and CEO of the Dupont Company. Ferrell tells us that his group is five years ahead of schedule, having already achieved the goal for all new color formulations.

Ferrell started in the plastics color business in 1958 in Parkersburg, WV as a chemist at Marbon Chemical, which later became Borg-Warner and is now GE Plastics. Still in Parkersburg, he is now employed as a Color Specialist at Dupont’s Washington Works.
SPE REACHES GOAL

Member services, education programs, and state-of-the-art office equipment are projects to be funded as an investment in the future of SPE. The Color and Appearance Division is proud to present a check for $10,000, allowing the SPE Capital Fund to reach its 1992 goal of $150,000. Pictured above are Vivian E. Malpass, Fund Drive Chairman and 1990 SPE President and Charley Bradshaw, Color and Appearance Division Chairman.

1991 RETAIN-A-MEMBER PROGRAM WINNERS ANNOUNCED

Thanks to the efforts of our Division's outstanding Membership Chairman, Jack MacMillan, our Division is one of the winners in SPE's 1991 RETAIN-A-MEMBER PROGRAM. In all, there were only eight Section and nine Division winners, so we're in very select company. Jack has earned an extra $100 for our Treasury. Congratulations on the good work!

The R-A-M Program is designed to encourage Sections and Divisions to reduce their unpaid members before December 31 and receive cash awards for their results. R-A-M awards are based on the June 30 paid figure (Student Members are not included).

MACMILLAN STEPS DOWN AS MEMBERSHIP CHAIRMAN

Jack MacMillan of ICI Americas, after several years as our Membership Chairman, has announced he will no longer be able to continue in this key position. Our thanks to Jack for his tireless efforts in welcoming each new member to CAD and for his work in achieving the growth goals set by SPE. Jack's successor will be Tim Lewis of PMS Consolidated.

EDUCATION

The number of first-year students in Terra Tech's Plastic Color Technology Program has doubled over the last year.

Guest lecturers and plant tours are needed for the current second-year color compounding class. Also needed are additional pigment supplies. We will contact pigment manufacturers for donations.

Scholarship money in the amount of $20,000 is requested for the 1992-1993 school year to be spent under the direction of the Terra Tech advisory committee.

Modern Plastics donated several copies of the 1990 Modern Plastics Encyclopedia to Terra Tech.

LETTER TO THE EDITOR

I am writing to thank you for including my picture on page 6 of the August 1991 newsletter; however, your inclusion of quotation marks would indicate that "There are only two of these ties left in the world. The other one belongs to some guy named Billmeyer." I would never refer to Dr. Fred Billmeyer as "some guy!"

Max Saltzman phoned me subsequently to say I should have known that there were hundreds of ties around—he has at least five himself. I meekly responded that I must have been quoted out of context because I have four ties myself.

Fred W. Billmeyer, Jr. and Max Saltzman are the authors of "Principles of Color Technology" and "the tie" was developed for ISCC members.

T.V. Haney

P.S. Fred Billmeyer sent a kind postcard saying he was glad to see "the tie" still being worn.

(We certainly did not intend to offend you or Dr. Billmeyer with the picture caption, but one of our little pleasures in life is coming up with captions for George Rangos' wonderful photos. If you think that one was in poor taste, you should see what we had originally come up with for the picture of Gary Beebe and Suzanne Ross. Ed.)

AUTOMOTIVE FADE TESTING AND COLOR MATCHING

The Detroit Colour Council will hold a symposium on color durability testing of automotive materials September 17, 1992 at the Michigan State Management Education Center in Troy, Michigan. A panel from all industry groups will explore the issues of fulfilling automotive requirements. For information call Brian Stott of Exxon at (313) 478-7176 or Bill Longley at Ford Motor at (313) 337-5234.

The 1991 symposium, Automotive Color Matching, was taped and transcribed. For a copy of this DCC bulletin, send a note to W. Longley, Ford Motor Co., Design Center, P.O. Box 2110, Dearborn, MI 48123.

HAVE LIGHT BOOTH, WILL TRAVEL

Bob Charvat (l) and Rick Mathew (r), instructors for CAD's peripatetic road show (otherwise known as the Coloring Plastics Seminar) show off the portable light booth recently purchased by the division as an enhancement to the seminar.
PIGMENTS AND ADDITIVES
FOR PLASTICS AND FIBERS

Pigments Division
CIBA-GEIGY Corporation
315 Water Street
Newport, DE 19804-2343
302-633-2000

Additives Division
CIBA-GEIGY Corporation
Seven Skyline Drive
Hawthorne, NY 10632-2188
914-785-2000

CIBA-GEIGY

High-Quality Pigments
for Plastics

256 Vanderpool Street
Newark, N. J. 07144

(201) 242-1800
TEL. 820437
FAX. (201) 242-7274

COOKSON
PIGMENTS

Luwax
Polyethylene and Montan Waxes

As one of the world's largest producers of waxes, BASF has the expertise that your products need. We have a wide range of products and specialties to meet your every need.

The ideal products to improve the processing or performance of:
- Wax emulsions and polishes
- Color concentrates and lubricants
- Rubber, adhesives or cosmetics
- Printing inks and paints

For information and samples of Luwax, call Performance Chemicals at 800-367-9661 or 201-316-4610 in New Jersey.

Specialty Products

BASF Corporation
Performance Chemicals
150 Cherry Hill Road
Passaic, N. J. 07055

Kerr-McGee TiO2
It's the White that's Right

Kerr-McGee Chemical Corporation
P.O. Box 25861 • Oklahoma City, Oklahoma 73125

Nature meets her match
with Afflair
Pearl Lustre Pigments

Em Industries, Inc.
Pigment Division

5 Skyline Drive
Hawthorne, NY 10532
(914) 592-4660

TECHMER
PM POLYMER MODIFIERS
QUALITY FORMULATION OF COLOR & ADDITIVE CONCENTRATES

18420 Laurel Park Road
Rancho Dominguez, CA 90220

(310) 632-6884

18420 Laurel Park Road
Rancho Dominguez, CA 90220

(310) 632-6884

THE WORLD'S LEADING INNOVATOR OF HIGH QUALITY PEARLESCENT PIGMENTS & IRIDESCENT COLORS

The Meair Corporation
41 East 42nd Street, New York, NY 10017
(212) 573-8500

DIA-GLO COLOR CORP. (216) 391-7070

GE Plastics
ONE PLASTICS AVENUE
PITTSFIELD, MA 01201
(413) 448-7110

Global Leader in Engineering Plastics

DE-A-GLO
4515 St. Clair Avenue CLEVELAND, OHIO 44103

FLUORESCENT PIGMENTS FOR PLASTICS
Society of Plastics Engineers
Executive Office, 14 Fairfield Drive
Brookfield, CT 06804-0403 U.S.A.
(203) 775-0471 TELEX NO. 643-712 FAX 2037758490

I am applying for: ☐ Membership ☐ Reclassification ☐ Reinstatement
  (no charge) (no initiation fee)

Name: ___________________________

Address: Check your preferred mailing address. ☐ Company ☐ Home

Company: __________________________

Position/Dept.: _______________________ Phone: _______________________

Street: ____________________________

City: ___________________________ State (Prov.): ______ Zip: ______

Country: ____________________________

Date of Birth: ______/____/____

Check the membership grade for which you believe your experience in plastics qualifies you.

☐ Student ☐ Affiliate ☐ Member ☐ Senior

GRADE REQUIREMENTS

Senior Member: Minimum of twelve (12) experience credits and current continuous membership in the Society for a minimum of two (2) years.

Member: Minimum of six (6) experience credits.

Affiliate Member: Minimum of six (6) experience credits.

Student Member: Regularly enrolled FULL-TIME student (12 credit hours per semester) in a course study in plastics

STATEMENT OF COLLEGE WORK

<table>
<thead>
<tr>
<th>Years Attended</th>
<th>Institution</th>
<th>Major</th>
<th>Degree</th>
<th>Education Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

RECORD OF QUALIFYING EXPERIENCE IN PLASTICS

<table>
<thead>
<tr>
<th>Dates</th>
<th>Time in years</th>
<th>% in plastics</th>
<th>Qualifying experience</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(a)</td>
<td>(b)</td>
<td>(axb)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Education credits from above ➡

Total Education and experience credits ➡

CREDENTIALS COMMITTEE APPROVAL ONLY

Approved Grade: ____________________________ Date: _______________________

Office use only: ____________________________ Division: _______________________

ID# ____________________________ Job Class: _______________________

Grade ____________________________ Date Elected: _______________________

Section Source: M

I certify that the statements made in this application are correct. I agree, if elected, to be governed by the Constitution and Bylaws of the Society and to promote the objectives of the Society.

Signature in ink ____________________________ Date: _______________________

Sponsor: ____________________________ Member Number: _______________________

Payment must accompany application.
Organic Pigments
and Dyes for
Plastics and Fibers

MILES

Organic Products Division
Mobay Road
Pittsburgh, PA 15205-9741
Phone: (412) 777-7883

NEWSLETTER SPONSORS

The Color and Appearance Division would like to thank the companies and individuals for their generous financial support and sponsorship of the CAD newsletter. The Division's Board of Directors and the Newsletter Committee are grateful for your interest and encourage your continued participation.

For information on sponsorship of future issues, please contact: Mr. Joseph Cameron, GE Plastics, P.O. Box 68, Washington, WV 26181. Telephone (304) 863-7473, FAX (304) 863-7156

Society of Plastics Engineers

c/o Mr. Jack Graff
Miles Inc.
Mobay Road
Pittsburgh, PA 15205-9741

DSM00000253 S03 D21 P M02
ROBERT CHARVAT
ENGELHARD CORP
SPECIALTY MINERALS & COLOR GRP
23800 MERCANTILE ROAD
BEACHWOOD OH 44122