

# SCANNER

NEWSLETTER OF THE AMERICAN SOCIETY OF  
HIGHWAY ENGINEERS

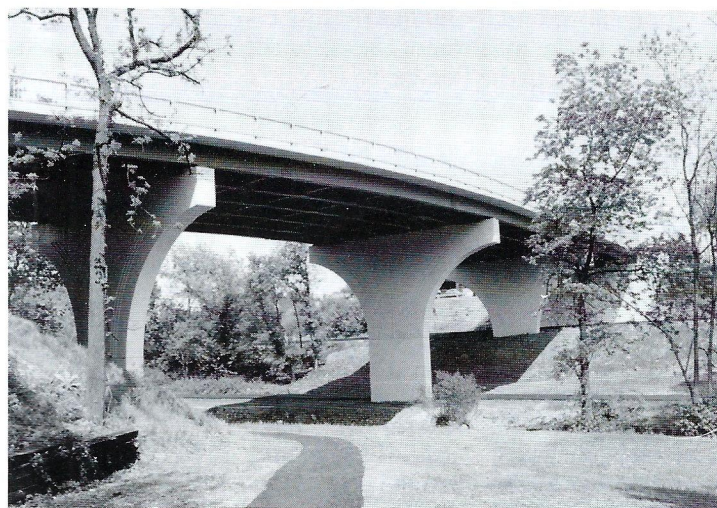


1-1991

## Link Replaced in Allentown



*BEFORE: Original structure, built in 1924, was structurally and functionally obsolete. The massive piers of the bridge also detracted from the visual quality of this scenic recreational park.*



*AFTER: New Susquehanna Street Bridge blends harmoniously with park surroundings and provides an open effect with longer spans and flowing lines of piers and curved steel superstructure.*

An aging and massive ten-span viaduct has been replaced by a gracefully - sweeping four-span curved steel beam bridge in Allentown, PA, to reestablish a key transportation link to the center of the city. Known as the Susquehanna Street Bridge, this new structure with clean and open lines connects two parts of Allentown, replacing a cluttered and deteriorated crossing of the scenic Trout Creek Park. Functional piers with flared caps and artistic rustications blend harmoniously into the wooded setting. The superstructure is continuous over its

282 foot length and creates little distraction to the eye of hikers, bikers, and fishermen who regularly utilize the upgraded recreational area. Structural connections which are visible from below the bridge were detailed for smooth stress flow to enhance fatigue strength, and at the same time have resulted in a pleasing visual effect.

The new bridge removed a ten-ton load restriction which had required heavier trucks and busses to take a winding detour route, which included the hazards and delays of an at-grade

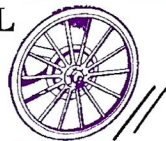
railroad crossing. The new bridge opened in October, 1989, just fifteen months after the start of construction. It was followed in just a few month by the completion of nearby Interstate Route 78. Visitors and local residents alike have welcomed the opening of the new Susquehanna Street Bridge for the improved traffic corridor that it has afforded.

Owner of the \$2.2 million bridge is the City of Allentown. Engineers were the firm of McTish, Kunkel & Associates, and the General Contractor was H.J. Williams, Inc.

**1991 National Convention – May 16-19, 1991**  
**Mountain Laurel Resort – Pocono Mountains**



## AS THE WHEEL TURNS...



(Ed note: Please forward all announcements of promotions, new employees, changes in position, etc. for this column to the Editor, ASHE Scanner by the deadlines noted for next issue.)

### D'ALBA APPOINTED TOP ADMINISTRATOR

EDWARD M. D'ALBA, P.E. is now serving in his new position as President of Urban Engineers, Inc. (UEI) succeeding Robert C. Olson, P.E. who remains with the firm as Chairman of the Board.

Mr. D'Alba joined UEI in 1975 and was instrumental in the development of the multi-disciplinary firm's Construction Management Division. Headquartered in Olde City, Philadelphia, Pa. Mr. D'Alba also controls the firm's offices in Buffalo, NY; Erie, PA; and Pennsauken, NJ.

Edward is a Senior Member of A.S.H.E. and serves on the Delaware Valley Section's Board of Directors. He also is Chairman of PENJERDEL Highway Committee and an officer of the Philadelphia Chapter of the Consulting Engineers Council. The new UEI President graduated from Worcester Polytechnic Institute and has an M.S. in Civil Engineering from the University of Pennsylvania. Together with his wife, Karen and their two sons, Mr. D'Alba resides in Strafford, PA.

### John L. Burkhardt, Jr. Appointed Vice President URBAN ENGINEERS, INC.

#### Multidisciplinary Consultants

Philadelphia, PA (Oct. 1990) - Urban Engineers, Inc.'s (UEI) President, Mr. Edward M. D'Alba, P.E., has recently

announced the appointment of Mr. John L. Burkhardt, Jr. as Vice President of the firm. Mr. Burkhardt will be responsible for the firm's project development activities.

Mr. Burkhardt comes to UEI following fifteen years of marketing experience with two other firms, including STV/Sanders and Thomas, Inc., in Pottstown, Pennsylvania.

Prior to this, Mr. Burkhardt was Deputy Executive Vice President of the American Road and Transportation Builders Association (ARTBA) in Washington, D.C. and Special Assistant to the Secretary of Highways for the former Pennsylvania Department of Highways in Harrisburg, PA.

A Bethlehem native, Mr. Burkhardt graduated from Dartmouth College and served in the U.S. Army Security Agency in Germany.

Mr. Burkhardt currently resides in East Coventry Township, Chester County, with his wife Beverly. They have two children, Julianne and Andrew.

### Michael R. Martin Promoted to Vice President

Michael R. Martin, P.E., Director of Transportation Planning for Patton Harris Rust and Associates, P.C. (PHR&A) has been promoted to Vice President of the 325-person, Fairfax, Virginia based professional services firm.

In addition, Mr. Martin is a newly-elected Director to the National Board of ASHE, and is very active in the Potomac Section of ASHE. Locally, he has been selected President of The Potomac Section

where he also serves as Chairman of the Ways and Means Committee.

### SAI Consulting Engineers, Inc. (SAI) recently announced the following management appointments:

**Robert T. Balkovec, P.E.** - Promoted to Vice President - Operations.

**Victor E. Bertolina, P.E.** - Promoted to Vice President - Engineering.

**James J. Lombardi, P.E.** - Promoted to Vice President - Construction.

**Thomas J. Dougan, P.E.** - Promoted to Manager - Structures.

**Richard A. Matisz** - Promoted to Manager - Highways

**NOTE:** Due to space requirements, all Sections do not appear with each issue. Sections are rotated on an alphabetical basis and new members are included as each section appears. If you do not see your name or Section name it will appear in a future issue.



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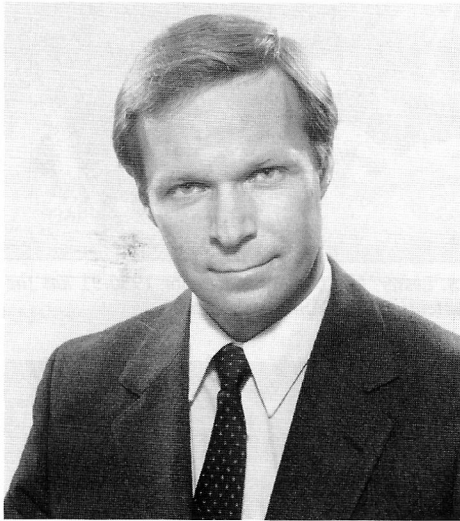
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# D'Alba Attends Meeting of Pennsylvania Engineering Societies



*On Oct. 26, 1990, Edward M. D'Alba, P.E., President of Urban Engineers Inc. (see "As The Wheel Turns") attended a meeting of Pa. Engr. Societies on behalf of ASHE and at the request of President Lester. The National Board wishes to extend their sincere thanks to Mr. D'Alba for his willingness to set aside valuable time to attend, participate, and report on the meeting. Following is his letter to Pres. Lester, in it's entirety:*

Dear Steve:

I appreciate the opportunity you afforded me in allowing me to partake in the referenced meeting held at the Hershey Country Club on October 26, 1990. Through this letter I hope to give you a brief summary of what took place. The stated goal of this meeting was to explore opportunities where the Engineering Societies can work together on common concerns and issues.

The Engineering Societies were represented by ASCE, PA Consulting Engineers Council, IEEE, PSLS, PSPE, ASME, and of course, ASHE, through Bob Rogers and myself, and indirectly, Al Kozel, who was representing CEC of Pennsylvania. An attendance list will be mailed to me shortly, at which time I will forward a copy to you for your information.

Each organization was well represented by active members in their society. The meeting, while informal in nature, followed an ambitious agenda which covered many subjects including:

- I. Legislative Concerns.
- II. Certification for Pre and Post-Registration.
- III. Continuing Education.
- IV. Undergraduate Education.
- V. Engineering Shortage.
- VI. Licensing the European Community by Reciprocity.
- VII. Academic Registration.
- VIII. Overhead.
- IX. Liability.

Each of these topics was discussed at length and, in summary, I offer the following highlights of each topic:

## • Legislative concerns:

A joint legislative committee representing many of the groups present in

the room has been formed, yet unfortunately has received minimal interest. Jack Seeley, who heads this committee through PSPE, stated that, unfortunately, legislative issues which directly relate to us, probably more so than any other issue facing the engineering community, seems to be a low priority in the engineer's mind, in contrast to the support the Societies receive for things such as scholarships, engineering competitions, and technical information exchanges. He pointed out that enactments of the legislature affect our profession more so than any other single issue related to the engineering profession. He also stated that in many respects we are a victim of the system because we are not able to effectively get legislature enacted that would recognize, respect and protect the engineering community at large.

## • Certification for Pre and Post-Registration

The group shared a common concern that there is too much emphasis on additional certification and pre and post-registration of the professional engineer. There was a consensus that society is losing sight of the fact that engineers are qualified, trained and licensed to do many things that are now being certified by new certifying agencies that tend to represent only a small segment of work that could and should be considered the domain of the professional engineer. Examples include house inspectors, radon inspectors, asbestos certifications, etc.

## • Continuing Education

The continuing education concept, while being strongly supported by the land surveyors represented in the room, was generally considered by the

consensus in the room to be ineffective and not something that we want to see mandated for the profession. The concern of the young engineer in wanting to move through his organization and the concern of the seasoned professional in wanting to protect and minimize his liability, is believed to be a strong motivating factor that encourages engineers to stay abreast with changes and innovations in their field.

## • Undergraduate Education/Engineering Shortage

A lengthy discussion was held on the status of the education of engineers. All agreed that the quality of the engineering graduate is not what it once was, and it certainly is less than what we would consider acceptable to maintain the professional standards which we in the profession try to represent. Suggestions as to the cause of the problem were diversified. Problems pointed out included the inability of the profession to attract the talented individuals because of: 1) lack of competitive salaries in some of the engineering fields, in particular, civil; 2) poor professor/student contact because of language barriers that seem to be becoming more pronounced as the colleges are retaining more foreign-speaking professors; 3) lack of awareness as to what an engineering career is and what it can lead to regarding personal (non-monetary) satisfaction; and 4) the unwillingness of those that practice in engineering to spread the words to their relatives, friends and neighbors that engineering is a field that they would personally recommend to a young, bright student considering getting into the profession.

## • Overhead

It was agreed that one of the concerns the community has on the corporate overhead limitations needs to be continuously addressed because it unfairly limits engineers from performing their services, assuming associated risks, and being allowed to receive a reasonable profit for services performed.

It was noted that PADOT, being the largest employer of engineers in the state, in both a primary and secondary capacity in awarding of contracts to consultants and contractors, has set a standard of overhead that permeates the State which is considered by many present in the room to be unfair. Examples given were the fact that PADOT has an artificially low maximum salary allowance which artificially lowers their recognized overhead of firms and in addition, PADOT disal-

*Continued on page 7*



# 28th National Convention



M. McTish receives Past National President Pin for a job well done and a successful year.



B. Hilldale as he hosts the Thursday "Luau Party"



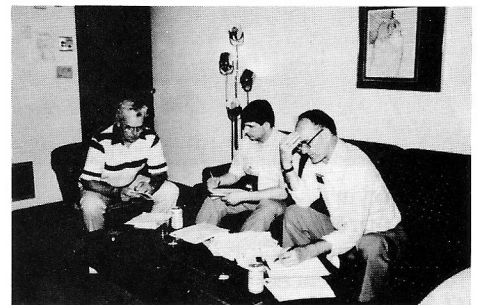
S. Lester, National President for 1990-91 has the attention of all ASHE members



Past Presidents dinner recognizing G. Smith, J. DeRoss, J. Barnicale, R. Horn and R. Springman



S. Callisto, First Vice-President for 1990-91.



M. McTish, C. Weaver and B. Hilldale in Convention Pre-Planning.

The 28th National ASHE Convention, hosted by the Altoona Section, was declared a rousing success by the over 300 members and guests who attended the three day affair that began on Thursday June 7th, 1990 at the Ramada Hotel in Altoona.

The Convention, whose theme was "The Changing Face of Transportation - Moving into the 90's", began with an Ice Breaker/Hawaiian Luau Thursday evening, complete with Hawaiian music and roasted pig. Later in the evening a DJ provided oldies music for dancing and just plain good listening.

The serious business of the Convention started early Friday morning with a well attended annual meeting.

A dozen technical exhibits were on display throughout the Convention giving attendees a chance to see and discuss the latest innovations in the highway field.

The Technical Sessions on Friday morning included: "Rehabilitation of a Steel Truss Using Cables" presented by Joseph J. Pullaro, A. G. Lichtenstein & Assoc.; "T-Wall and Its Uses" presented by Dave Reynaud, The Neel Company; "Stressed Timber Deck Bridges with Sandwich Plates" presented by Dr. Ralph R. Mazingo, Pennsylvania State University; and "Bonded and Unbonded Concrete Overlays" presented by William C. Berg, Northeast



M. McTish presents Wayne Kauble with "Man-of-the Year" Award.

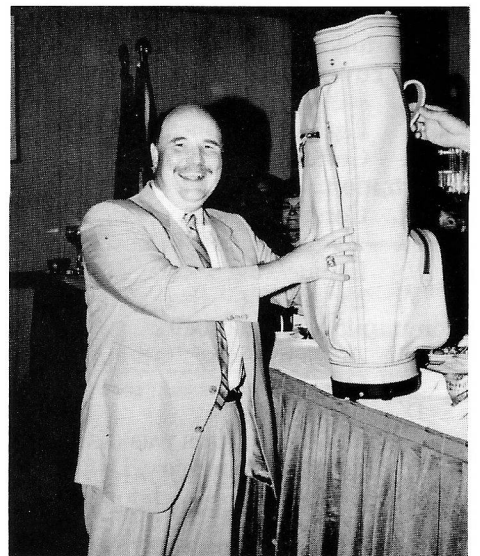
Chapter American Concrete Pavement Association. The sessions were well received, with more than 40 participants attending each session.

While the Technical Sessions were presenting the latest in highway engineering and construction techniques, Hess's Department store held a fashion show and makeup seminar for the less technically inclined. The fashion show presented the latest in clothes, while representatives of Estee' Lauder provided insight into the art of makeup.

At the Society's Annual Luncheon on Friday, David Gendell, FHWA Region 3 Administrator discussed the FHWA's recently issued national transportation policy.



Beverly Hurst and Bernard B. Hurst, Secretary of the Ohio Dept. of Trans.



P. Ostrowski - Callaway system brings the best golf out of ASHE members.



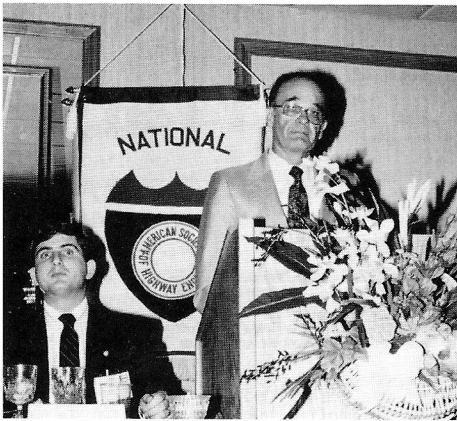
# Declared A Rousing Success



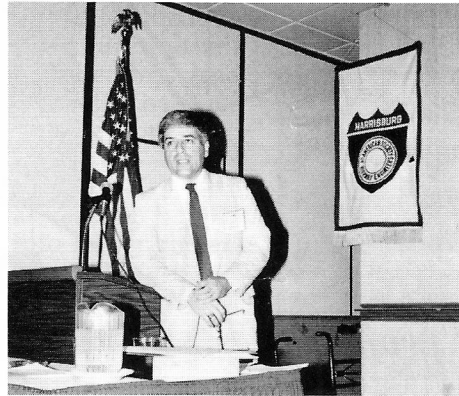
The ladies of ASHE enjoy fashion show and make-up seminar.



Head table with the McTishes, Lesters, and Yeagers



M. McTish ending the 1989-90 year consistent with his outstanding service to ASHE.



Joseph J. Pullaro, Technical Session Speaker.



W. Kauble, ASHE's Man-of-the-Year, receives special recognition by Governor of Ohio presented by B. Horst.



Two Historical presentations tracing transportation development in this country from the Pennsylvania Canal to modern highways were given by the National Park Service and the

Pennsylvania Turnpike on Friday afternoon.

At Friday's Past President's Banquet, President Matthew McTish introduced 8 past presidents who were in attendance. They included Russell Horn (62), Jim Barnicle (67), Bob Yeager (74), John DeRoss (76), Gene Smith (80), Dixon Early (82), Charles Luff (84), and Ron Springman (87).

Following the Past President's Banquet, entertainment and dance music were provided by the comedy/musical group of Angel and Russell.

During the Saturday night Installation of Officers Banquet, Steve Lester, PennDOT District Engineer from Philadelphia, was installed as the incoming Society president. Man of the Year honors went to Wayne H. Kauble, from the Ohio Dept. of Transportation. He was honored by a proclamation from the Governor of Ohio, which was read to those present.

Several other significant awards were presented to members and Sections. The President's award went to Raymond Petrucci, with the Outstanding Member's Award going to Roland Nesslinger. The George K. Hart Award, for greatest percent increase in membership, went to the Triko Valley Section (58%). The Gene G. Smith Award, for greatest numerical increase in membership, went to the Chesapeake Section (36).

Prizes for Saturday's golf tournament were distributed at the banquet with top honors going to Tom Brado with the lowest score. However, the day was not totally serious, the Worst Drive Award went to Rudy Melani for driving his cart into the stream.

Entertainment Saturday evening was provided by the Kim Sherry Dance Band.



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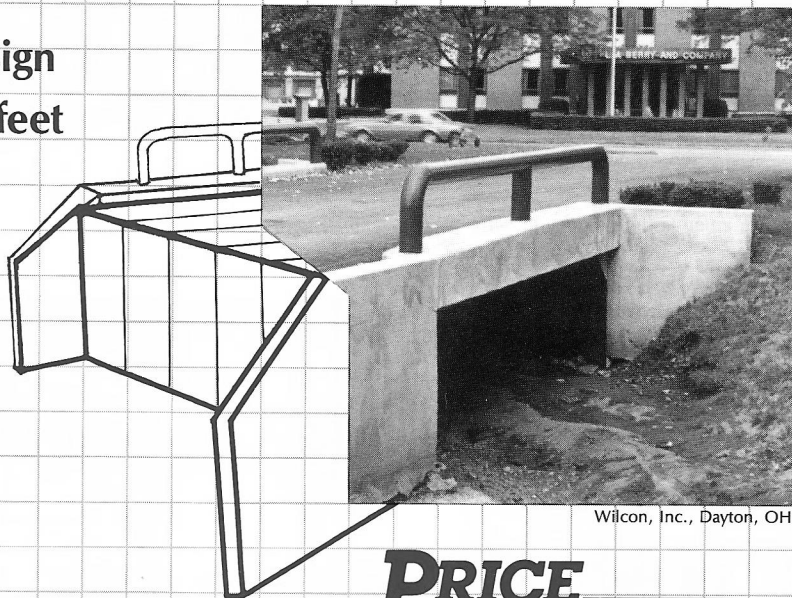
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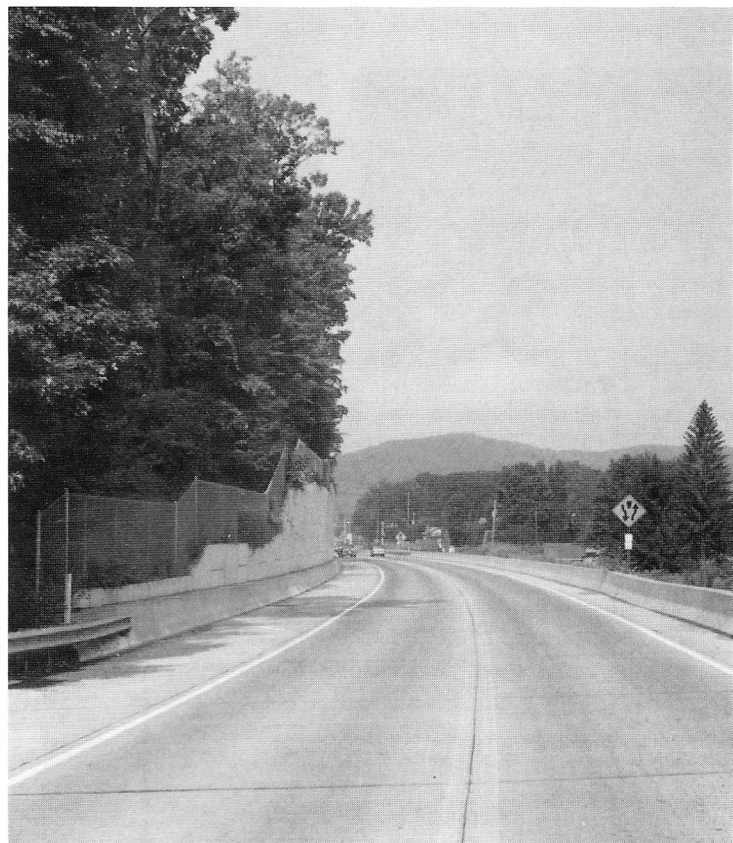
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## Letter to Pres. Lester from Edward M. D'Alba *Continued from page 3*

lows other costs that are normally acceptable and permitted by other agencies, primarily federal agencies, that would allow the engineering community to receive a fair overhead.

It was recognized by those agencies represented that do not work directly for PADOT that they too have a concern in the rules that the Department has imposed because many other users of engineering services tend to follow the rules and mandates of PADOT.

### • Liability

Concerning liability, the group was notified of the recent phenomena occurring in a Philadelphia market wherein the legal professional has identified opportunities for workers and their families injured and/or killed in a contractor related accident to sue the third parties involved with the work and, in numerous situations, collect substantial awards through out-of-court settlements by sued third parties. Fortunately, legislation has been enacted in seven or eight states nationwide to prevent this problem from reoccurring and it was most recently introduced in the state of Georgia. CEC is working with PADOT to try to get sim-

ilar legislation enacted in Pennsylvania which will protect the design professional, construction inspector and the construction manager involved with projects that have exposure to worker's claims related to Workman's Compensation injuries.

All in attendance agreed that the exchange of information and sharing of ideas was quite beneficial and should continue in the future. To start, each of the represented agencies will be sending to each other information they may have that they think would be beneficial for the other societies to be aware of and for them to, at their discretion, distribute to their membership. And secondly, because of the pressing theme as to the problem with attracting people into the engineering profession and the quality of education, it was agreed that we would convene some time early in 1991 and invite the

deans of the major engineering schools in the state to be present for a round-table discussion as to problems that we perceive, the problems they perceive and common solutions to achieve better quality engineering in the state of Pennsylvania.

In closing, Steve, I want to thank you for the opportunity to represent you at this meeting and in the event I can be of any further assistance, please advise.

Very truly yours,  
URBAN ENGINEERS, INC.  
EDWARD M. D'ALBA, P.E.

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### "CUT-OUT"

## ASHE Questionnaire

Dear ASHE Member:

The American Society of Highway Engineers' National Board of Director's is continuing to shape the Society's role as it helps develop the nations' future transportation program. ASHE' growth and influence result from its membership and the highway industry having increasing responsibility for economic growth at the local and state level.

To better provide for ASHE membership needs and expectations, you are asked to take a few minutes to answer the following questions, then return this survey no later than April 15, 1991. Your response will help determine what membership services should be offered and which program activities should be emphasized.

- |  | YES                      | NO                       |
|--|--------------------------|--------------------------|
| 1. Would you take advantage of group discount programs such as:<br>• An MCI 10% discount given to ASHE Members for dial 1 and calling card long distance telephone calls for companies employing at least one ASHE member?   | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Would you take advantage of group discount programs for car rental or health and life insurance packages?   | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Would you be interested in attending regional seminars at reduced rates to hear qualified speakers on new environmental regulations, design standards, infrastructure financing etc.?   | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Would you be interested in obtaining publications and video training tapes at reduced rates such as those published by ACI for Field Testing, Laboratory Testing, and Flatwork Finishing, those available through ASCE to help you develop communication skills, the safety videos maintained by FHWA, ARTBA and the American Traffic Safety Service Association? | <input type="checkbox"/> | <input type="checkbox"/> |

*Continued on back*



## Matthew J. McTish – Special Recognition



Matthew J. McTish, P.E.  
ASHE Pres. 89-90

The National Board and membership of ASHE recognizes the commitment and enormous amount of time which Matt McTish, President, 1989-90, provided for the Society during his term of office. His desire to advance the goals of the long range plan contributed significantly towards the accomplishments of the Society during the past year. His commitment to improve the image of the highway industry and to increase the public awareness of our membership's involvement was outstanding in all his efforts. The membership of ASHE graciously thanks you, Matthew J. McTish, for a job well done and for your commitments to our Society.

Under Matt's guidance, the specific objectives accomplished for the goals of the long range plan (adopted April 7, 1989) during his term are:

### GOAL 1 - Society Organization

1. Revised the National By-Laws
2. Evaluation of a full-time executive secretary or part-time secretary.

### GOAL II - Membership

1. Chartered two new Sections - Triko Valley and Potomac
2. Initiated plans for new Sections - Toledo, Northern New Jersey, and Richmond.
3. Evaluated plans for Sustaining Membership.

### GOAL III - National Convention

1. Updated and adopted new guidelines for conventions.

### GOAL IV - Public Awareness

1. Purchased new ASHE Display.
2. Revised the Scanner format to present more Society information, member recognition, legislative issues and industry facts.
3. Updated the Society's Brochure.
4. Advertised the Society in national and industry magazines.

### GOAL V - Membership Services

1. Initiated a plan to survey the needs of

the membership.

2. Reviewed the availability of programs for members such as discounts and group benefit plans and technical information (tapes & videos).

### GOAL VI - Society Involvement

1. Presented testimony at the National Transportation Policy Hearings.
2. Presented testimony at the Pennsylvania Transportation Commission Hearings.

### GOAL VII - Fiscal Viability

1. Prepared long-range budgeting plan.
2. Evaluated the cost of programs and Scanner publication.



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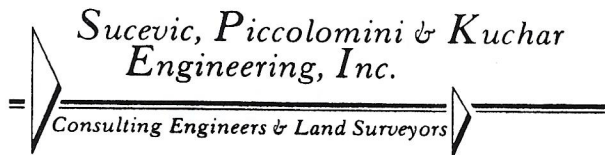
## ASHE Questionnaire *Continued*

	YES	NO
5. Would you be willing to incur an increase in dues to pay for additional member services such as those described above?	<input type="checkbox"/>	<input type="checkbox"/>
6. Would you favor a pro-active role for the society with regard to legislative and regulatory issues?	<input type="checkbox"/>	<input type="checkbox"/>
7. Would you favor more emphasis on technical issues?	<input type="checkbox"/>	<input type="checkbox"/>
8. Would you prefer that social activities be given a higher priority?	<input type="checkbox"/>	<input type="checkbox"/>
9. Do you feel that the Long Range Plan for 1989-1992 adopted by the National Board should be more vigorously pursued?	<input type="checkbox"/>	<input type="checkbox"/>
10. Do you feel that the Sections are adequately represented on the National Board of Directors?	<input type="checkbox"/>	<input type="checkbox"/>

ADDITIONAL COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Please return to: Matthew J. McTish • P.O. Box 3361 • Allentown, Pa. 18102





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# New Members

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John R. Cottle, Jr. - *Associate - Consultant*  
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Robert Dejaiffe - *Senior - Other*  
Duncansville, PA

Paul I. Detwiler, III - *Member - Other*  
Everett, PA

David M. Garhart - *Senior - Consultant*  
Altoona, PA

Thomas E. Koch - *Senior - Consultant*  
Roaring Springs, PA

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## AS THE WHEEL TURNS...



(Ed note: Please forward all announcements of promotions, new employees, changes in position, etc. for this column to the Editor, ASHE Scanner by the deadlines noted for next issue.)

### D'ALBA APPOINTED TOP ADMINISTRATOR

EDWARD M. D'ALBA, P.E. is now serving in his new position as President of Urban Engineers, Inc. (UEI) succeeding Robert C. Olson, P.E. who remains with the firm as Chairman of the Board.

Mr. D'Alba joined UEI in 1975 and was instrumental in the development of the multi-disciplinary firm's Construction Management Division. Headquartered in Olde City, Philadelphia, Pa. Mr. D'Alba also controls the firm's offices in Buffalo, NY; Erie, PA; and Pennsauken, NJ.

Edward is a Senior Member of A.S.H.E. and serves on the Delaware Valley Section's Board of Directors. He also is Chairman of PENJERDEL Highway Committee and an officer of the Philadelphia Chapter of the Consulting Engineers Council. The new UEI President graduated from Worcester Polytechnic Institute and has an M.S. in Civil Engineering from the University of Pennsylvania. Together with his wife, Karen and their two sons, Mr. D'Alba resides in Strafford, PA.

### John L. Burkhardt, Jr. Appointed Vice President URBAN ENGINEERS, INC.

#### Multidisciplinary Consultants

Philadelphia, PA (Oct. 1990) - Urban Engineers, Inc.'s (UEI) President, Mr. Edward M. D'Alba, P.E., has recently

announced the appointment of Mr. John L. Burkhardt, Jr. as Vice President of the firm. Mr. Burkhardt will be responsible for the firm's project development activities.

Mr. Burkhardt comes to UEI following fifteen years of marketing experience with two other firms, including STV/Sanders and Thomas, Inc., in Pottstown, Pennsylvania.

Prior to this, Mr. Burkhardt was Deputy Executive Vice President of the American Road and Transportation Builders Association (ARTBA) in Washington, D.C. and Special Assistant to the Secretary of Highways for the former Pennsylvania Department of Highways in Harrisburg, PA.

A Bethlehem native, Mr. Burkhardt graduated from Dartmouth College and served in the U.S. Army Security Agency in Germany.

Mr. Burkhardt currently resides in East Coventry Township, Chester County, with his wife Beverly. They have two children, Julianne and Andrew.

### Michael R. Martin Promoted to Vice President

Michael R. Martin, P.E., Director of Transportation Planning for Patton Harris Rust and Associates, P.C. (PHR&A) has been promoted to Vice President of the 325-person, Fairfax, Virginia based professional services firm.

In addition, Mr. Martin is a newly-elected Director to the National Board of ASHE, and is very active in the Potomac Section of ASHE. Locally, he has been selected President of The Potomac Section

where he also serves as Chairman of the Ways and Means Committee.

### SAI Consulting Engineers, Inc. (SAI) recently announced the following management appointments:

**Robert T. Balkovec, P.E.** - Promoted to Vice President - Operations.

**Victor E. Bertolina, P.E.** - Promoted to Vice President - Engineering.

**James J. Lombardi, P.E.** - Promoted to Vice President - Construction.

**Thomas J. Dougan, P.E.** - Promoted to Manager - Structures.

**Richard A. Matisz** - Promoted to Manager - Highways

**NOTE:** Due to space requirements, all Sections do not appear with each issue. Sections are rotated on an alphabetical basis and new members are included as each section appears. If you do not see your name or Section name it will appear in a future issue.



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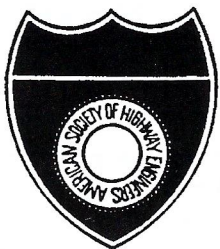
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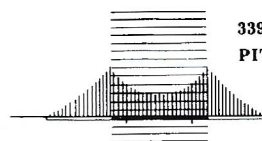
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