

ОБІЖНИК - NEWSLETTER

ТОВАРИСТВА УКРАЇНСЬКИХ ІНЖЕНЕРІВ АМЕРИКИ
UKRAINIAN ENGINEERS' SOCIETY OF AMERICA



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From the President's Desk

by Andrij Wowk

UESA National President

Dear Colleagues! Shanovni Kolegy!

On behalf of the newly elected National Board for 2003-2005, I would like to warmly thank you for electing us to head our organization for the next two years, as confirmed at the UESA General Meeting on September 6, 2003 in Philadelphia.

Falling on the 55th year of the UESA's existence, the recent General Meeting marked an important point in our organization's history, by confirming the

passage of five amendments to the UESA by-laws (described in detail in this newsletter). The goal of all of these amendments is to make the UESA more responsive to member and community needs, and to streamline administrative tasks within our organization.

The goals of the new Board will be to implement these changes, and to focus on the following projects:

1. Students and Education – A separate charitable foundation is being established within the UESA, a required first step towards creating a national scholarship program.

2. Cooperation with Ukraine – We have begun collecting member donations aimed at assisting the Lehigh, Pennsylvania-based Kobzar Society, which provides personal computers (PCs) to selected schools in Ukraine. Additional contacts with researchers and university students in Ukraine are also planned.

3. Publications - The format of current UESA publications will be reviewed and updated as appropriate to meet the needs of today's members and the Ukrainian-American community. A long-discussed historical summary of the UESA will also be finalized by a new Publications Committee.

4. National Events - The Board will review the possibility of holding a national conference or symposium on topics of current technical interest, and/or the history of Ukrainian and Ukrainian-American contributions to science and technology. This event may be held in conjunction with other Ukrainian-American professional organizations.

5. Membership - The Board will look into ways of

improving communication about the benefits of the UESA to the community, and will conduct a membership drive focused on increasing the ranks of student, young professional, and 4th wave members in the Society.

As we look forward to the NEXT 55 years of the UESA's activities, I personally ask each of you to help us in this plan of action, by volunteering even a small amount of time towards any of the projects mentioned above. Each member of the National Board has agreed to invest their time and energy into making this plan a reality - but we cannot succeed without your help! For example, you can play a key role in the success of the UESA newsletter and Web site by sending us professional news about yourself, your company, other members, or technical topics related to Ukraine. Better yet, why not write a short article or story about a technical topic (or person) of interest to you?

Please contact me personally with any questions you may have about the UESA's national projects and how you can help, or to request electronic or paper copies of any of the report's presented at the 2003 General Meeting. I can be reached by e-mail at: awowk@uesa.org.

In conclusion, I ask all of our members to get involved in UESA activities, locally and at the national level, and to help us get others involved!

Z tovarys'kym pryvitom,

Andrij Wowk
UESA National President
2003-2005

Слово від Голови

інж. Андрій Вовк
Голова ТУІА

Шановні Колеги!

В імені всіх членів нововибраної Головної Управи ТУІА на 2003-2005р., я щиро дякую членам Товариства за Ваше довіря до нас, та що дали нам цю нагоду провадити Товариство на слідуючі два роки.

Загальні Збори ТУІА, котрі відбулися 6-го вересня, 2003 р. в околиці Філядельфії, відзначили 55-ліття Товариства, але також відзначили важний і критичний пункт в історії

нашої організації. Підчас зборів оголосилося що через листовне голосування, члени ухвалили 5 важних змін у статуті ТУІА (описані в цьому числі обіжника). Ціль цих змін - це улекшення адміністративних функцій, та краще пристусовування ТУІА до потреб нових членів та нашої гтротиади.

Через наступні два роки ціль Головної Управи буде перевести ці зміни, та працювати над наступними проєктами котрі становлять План Праці на 2003-2005р.:

1. Створення нових бенефітів для членів-студентів - Перший крок, це створення потрібної адміністративної структури котра може підлягати запропоновані стипендійні програмі ТУІА.
2. Співпраця з Україною - ТУІА збирає датки від наших членів, котрі призначені на ціль предбання ком'пютерів для шкіл в Україні.
3. Видання ТУІА - Управа переглядає формат *Вістей Інженерів* та мабуть зробить декотрі зміни у нїм, а також знову почала працю над Пропам'ятною Книгою ТУІА.
4. Організування наукової конференції чи іншої імпрези на державному рівні (себго, включаючи членів та громаду із ріжних частин Америки).
5. Побільшення членства ТУІА - Управа має ціль поліпшити комунікацію щодо користей членства та праці ТУІА між українською громадою, а також між не-українськими фахівцями.

Наш щирий заклик до всіх членів щодо цього плану праці: не можемо ці проєкти успішно перевести без вашої допомоги!

Навіть якщо лише можете присвятити кілька годин на тиждень чи на місяць, просимо скомунікуватися з Управою (через e-mail awowk@uesa.org) якщо котрийсь із цих проєктів Вас цікавить. На приклад, нам конечно потрібно дописів до Вістей Інженерів, обіжника, і Інтернетової сторінки ТУІА (www.uesa.org).

Працюючи разом, можемо забезпечити майбутність ТУІА на СЛІДУЮЧИХ 55 років!

З товариським привітом,
Андрій Вовк

2003 UESA General Meeting

The Ukrainian Engineers' Society of America's bi-annual General Membership meeting took place on Saturday, September 6th, 2003 in Jenkintown, Pennsylvania and was hosted by the UESA Philadelphia Chapter.



**Attendees of the 2003 General Meeting
at the Philadelphia Location**

The UESA National Board for 2003-2005 term was elected via mail ballots issued to all UESA members in accordance with the Society's by-laws. The votes that were received by the day of the General Meeting were counted and verified by the head of the nominating committee, Mr. John Shmerykowsky, PE.

The election results are as follows:

- Andrij Wowk - President
- Marco Shmerykowsky, PE - Vice President
- Wolodymyr Rudakewycz – Treasurer
- Matthey Rakowsky – Secretary
- Tymish Hankewycz - Membership Coordinator
- Wasyl Kinach, PE – Board Member
- Bohdan Gerulak, AIA – Board Member
- Andrey Hankewycz – Board Member

Additionally, UESA members approved several amendments to the UESA by-laws via the mail-in ballots. Two of the most important amendments centered on membership levels and dues collection.

The UESA membership approved the formal creation of new “associate” and “student” membership levels.

According to the amendments, an associate member of the Society is defined as a person of Ukrainian descent who does not meet the requirements of a full member, but supports the Society's mission as defined in the by-laws and will provide assistance in furthering the Society's work.

Furthermore, members classified as associate members, have the right to participate and vote in regular and special Society Meetings "on issues pertaining to the associate membership level and to vote in all matters pertaining to the associate membership level that are also decided by mail ballots, to serve on Society committees, to make use of the Society's library and other holdings and all privileges due to Society Members."

A student member of the Society is defined as a person of Ukrainian descent who is enrolled in a college program which focuses on one of the fields applicable to either full or associate members.

Members classified as student members, have the right to participate in regular and special Society Meetings, to serve on Society committees, to make use of the Society's library and other holdings and all privileges due to Society Members.



Directors of the General Meeting

The other major approved change centered around the manner in which UESA collects its membership dues. Starting with the 2004 fiscal year, membership dues invoices will be issued directly by the National Executive Board and members will return their payments directly to the National Treasurer. The National Treasurer will then reimburse 40% of the funds collected from each chapter to the respective local treasurer, at a minimum twice a year.

On a related issue, the national budget for the coming 2003 to 2005 term was presented. This budget accounted for all of the increased activities

which the Board of Directors has enacted over the past two years and plans to continue. These activities include items such as the publication of a quarterly national newsletter, the national membership directory, and the planned "UESA historical book."

It was noted that the largest expenses were related to postage and to the production of various communication initiatives such as the newsletter and the *Ukrainian Engineering News*, also known as the *Visti Inzheneriv*.

In order to balance the budget, the Board of Directors proposed increasing dues and selling advertising space in UESA's various publications. The board felt that this was necessary in order to accommodate real world increases in the costs associated with printing and postage.

The proposal for the dues increase outlined that the dues for full or professional members (and associate members) would be increased to \$50 from \$35 per year and that retired members (both full and associate) would have their dues increased to \$30 from \$20 per year. The student membership rate was set at \$15 per year.

Those present at the General Meeting voted on the dues increase, and after a much heated discussion, the proposal was approved.

The discussion on the Society's finances also noted that for the 2002 fiscal year the following amounts were collected for the Society's various funds:

- Computers for Ukraine - \$130
- Scholarship Fund - \$220
- Press Fund - \$290
- General Donations - \$1,205

Finally, the financial report noted that UESA shirt sales brought in \$1,222 in 2002.

It should also be noted that one of the approved by-law amendments stated that a local Chapter could make a request at the General Meeting for an additional dues assessment if it was felt that the 40% share of the Society's membership dues was inadequate.

One point of contention during the General Meeting was the absence of the National Treasurer at the meeting. Although the overall financial report prepared by the Treasurer was presented by the President, it was noted that the Auditing Committee

was unable to meet with the outgoing treasurer before the General Meeting. In order to resolve this matter, the members presiding at the meeting voted to mandate that the previous treasurer retain his position until he meets with the Auditing Committee for the review of the Society's financial records. It was decided that this review must be completed by October 6, 2003.

The General Meeting also included reports from the local chapters in attendance. This included a report from Detroit chapter president Dianna Korduba Sawicky, New Jersey chapter president Matthey Rakowsky, New York City chapter president Marco Shmerykowsky, PE and Philadelphia chapter president Metodij Boretsky, PE.

Ms. Sawicky's report on the activities of the Detroit chapter noted that they had added four new members over the past year, bringing their total membership up to 90 members. Additionally, they continue to hold successful annual events such as a summer picnic, Christmas party and Winter Ball with the presentation of debutantes. Finally, Ms. Sawicky noted that the chapter is planning a local chapter meeting for this coming fall.

Mr. Rakowsky began the New Jersey report by noting that the chapter has added eight new members of the past two years and that they continue to actively recruit new members at Rutgers University and the New Jersey Institute of Technology. In addition to recent joint events with the New York City chapter such as the Fall Zabava and a summer picnic, the chapter held a very successful and informative seminar on digital photography in June 2002.

Future plans call for continued recruitment at the universities, the publication of chapter newsletters, and chapter elections in the fall. Unfortunately, as with other chapters, Mr. Rakowsky reported that a large number of members continue to neglect paying their membership dues.

Mr. Shmerykowsky began the New York City Chapter report by noting that a new board of directors was elected in mid-April 2002. *[Editor's note: The complete list of new New York City chapter board members was published in the previous issue of the UESA national newsletter].*

Over the past two years the chapter has focused on expanding its active membership base, event schedule, and communication channels. The chapter continues to hold an annual Fall Zabava and Yalynka (Christmas celebration) together with the Ukrainian

Medical Association of North America and the Ukrainian Institute of America. It is also in the process of launching a monthly lecture program.

On the communication front, the chapter regularly publishes a bi-monthly newsletter. With respect to the membership situation, Mr. Shmerykowsky noted that although the chapter is actively recruiting at area colleges and had added several new members, its total active membership base is likely to shrink from 100 to 60 members. This is ultimately due to the "inactivation" of members who have failed to pay their membership dues in accordance with the Society's by-laws.

Mr. Boretsky of the Philadelphia chapter stated that in the past year the chapter elected a new board of directors. *[Editor's note: The complete list of new Philadelphia Board members was published in the previous issue of the UESA national newsletter].* During the past two years, Mr. Boretsky noted, the chapter held two Debutante Balls, two summer picnics, two Christmas "zustrichi" (social gatherings), one scientific conference and nearly two dozen monthly meetings. Additionally, the chapter has completed work on the "History of the UESA Philadelphia Chapter" book and has sent it to the printer.

On the membership front, Mr. Boretsky noted that the chapter currently has 80 dues-paying members. Sixteen members who have not paid their dues for the past six years were moved to an "inactive" status.

A key portion of the meeting was the presentation of the president's report by Mr. Andrij Wowk. In his president's report he noted that the 2003 General Meeting, falling on the same year as the 55th anniversary of the UESA, comes at "a critical time" in the history of the Society, as the organization strives to preserve its past while looking to the future.

Noting accomplishments of the Board during the previous administration, such as playing a key role in two summits of Ukrainian-American organizations, the revival of a scheduled newsletter, and the publication of a modern Membership Directory, Mr. Wowk said there is still much that UESA can do to make the organization more relevant to the needs of current-day technical professionals, students and the community.

He expressed enthusiasm about areas the new Board plans to focus on in 2003-2005, which include:

- Implementing a student scholarship program
- Increasing cooperation with Ukraine

- Re-evaluating and improving UESA publications, especially in regards to the contributions of Ukrainians and Ukrainian-Americans to science and technology;
- Organizing a national technical conference
- Improving communication between the Society and the Ukrainian-American and non-Ukrainian communities.

The General Meeting concluded with an awards ceremony for several outstanding UESA members. Dr. Lubomyr Romankiw, a noted research scientist at IBM, was awarded the 2003 "UESA Member of the Year" award and honorary membership status. The award recognizes Dr. Romankiw's pioneering work in magnetic recording head technology, which forms the basis for almost all computer disk drives in use today.



Dr. Lubomyr Romankiw receiving the "2003 Member of the Year" award from President Andrij Wowk

Also recognized were members Dr. Oleksa Bilaniuk, the current president of the Ukrainian Free Academy of Sciences (award for professional and community achievement), and past UESA president Dr. Lew Dobrjanskyj (award for lifelong UESA activity).



Dr. Romankiw Discussing Computer Hard Drive Design

Mr. Wowk ended his presentation by calling on all UESA members to assist the Board with these projects in the coming two years.

After the General Meeting concluded, Mr. Romankiw presented a very interesting discussion about his work.

News from the Detroit Chapter

The Detroit Chapter held its Annual Summer Picnic on June 28th at the Dibrova Estate in Brighton, Michigan. A fun time was had by all. A special thanks is extended to Greg and Oksana Woloszczuk for organizing the picnic.

The Detroit Chapter thanks the UESA Executive Board for the opportunity to participate in the General Meeting on September 6th via teleconference call.

Mark your calendars for the following upcoming local events:

The Detroit Chapter's Annual Meeting will be held on Wednesday, November 5th at 7:00 PM at the Ukrainian Cultural Center. We have important local issues to discuss and address. We will also be electing new board members.

Our Chapter's Christmas Party is planned for Wednesday, December 10th. Additional details will be available closer to the event.

Philadelphia Chapter Summer Picnic

The annual Engineers' Picnic was held at Tryzubivka (the Tryzub Sports Center) in Horsham, PA, on Sunday, September 14, 2003.



Tryzub Sports Center

This year, the picnic was sponsored jointly by the Philadelphia Chapter of the UESA and by the Pennsylvania Chapter of UMANA (Ukrainian Medical Association of North America). The hosts were Metodij Boretsky, PE, President of the Philadelphia Chapter of UESA, and Dr. Vasyl Salak, President of the Pennsylvania Chapter of UMANA.



(L. to R.) UESA members Metodij Boretsky PE, Walter Horbowyj and Volodymyr Kuzyk

The picnic was open to all members of both organizations, as well as their families and friends. Admission was \$10 per person, and there was no charge for children and teenagers. All food and beverages were included in the admission charge.

Due to inclement weather, the picnic was held indoors, in Tryzub's main reception hall.



(L. to R.) UESA members Metodij Boretsky PE, Dr. Oleksa Bilaniuk and Ivan Danylenko

Coordination of the food and beverages was by the Philadelphia Chapter's long-time "hospodar", engineer Myron Bilas. He was ably assisted by engineer Wasyl Kaminsky and his wife Maria. Wasyl braved the elements to man Tryzub's outdoor grill, producing delicious baked potatoes, hamburgers and hot dogs for all, while Maria prepared varenyky, kovbasa z kapustoj, and other delicacies and desserts, with help from Tryzub's kitchen staff.

All participants enjoyed a nice, relaxing day among colleagues and friends.

New Jersey Chapter Seminar on Digital Photography

On June 14, 2002, The New Jersey Chapter of the UESA, headed by Mr. Matthey Rakowsky, presented a successful seminar on the theory and practice of digital photography, at the Ramada Inn and

Conference Center in East Hanover, NJ. The goal of the event was to interest members of the community in a topic which is both technical and of practical interest to many.

The keynote speaker at the seminar was Mr. Ihor Lukiw, who displayed a depth of knowledge on topics including the concept of digital resolution, the differences between film-based photography and digital photography, and what to consider when buying a digital camera.

Digital cameras, he noted, have benefits over film-based cameras in the areas of cost (no film to buy) and the ability to see a photo immediately after it is taken. Whether taken with a digital camera or scanned from traditional prints, digital photos can also be edited and manipulated for creative and quality control.

The key to buying an appropriate digital camera, Mr. Lukiw noted, is understanding what features are needed by the buyer, and which are available within the price range one is willing to spend.



Speaker Mr. Ihor Luckiw

Mr. Lukiw was followed by Mr. Andrij Wowk, UESA president and a member of the NJ chapter, who presented an overview of digital resolution and how it applies to manipulating and printing digital photographs. Comparing the individual components of a digital photo - known as pixels - to marbles in a box, Mr. Wowk noted that one must always keep the number of "marbles" in a photo in mind to achieve good image quality.

The final speaker of the day was Mr. Pavlo Mulyk, a student member of the New York City UESA chapter, who presented an overview of the popular image-editing program Adobe Photoshop. Mr. Mulyk gave a real-time demonstration of some of the capabilities of this software, which include altering the size, resolution, color, contrast/brightness, and other

characteristics of an image, as well as making a copy of (or hiding) part of an image.



Attendees at the NJ Digital Photography Seminar

Attendees at the event included UESA members and the general public, as well as one UESA Detroit chapter member who flew in especially for the event. One satisfied participant, a member of the UESA New York City, called the seminar "the most interesting UESA event in the past 10 years".

Let Engineers Deal With Engineering Problems

by Wasyl Kinach, PE (*New York City Chapter*)

[The Following is a press release written for the Metropolitan Engineering Societies Council which is chaired by Mr. Kinach]

The failure of the power system on August 14 must lead us to consider how to minimize or avoid similar failures in the future. To do so we must recognize that the system is an enormous technological endeavor governed by socially constructed rules.

The generation, transmission and distribution of electric power is far more involved than operating a flashlight. Commercial power cannot be stored (as in a battery). That power derives from a complex infrastructure that might be grasped by the general public in outline, but not in its working details. A lifetime of study and investigation is needed to understand the interaction of the demands and supplies of different regions, true costs of capital, energy (fuel, nuclear, water power), maintenance, and standby or overcapacity.

Our electrical system derives from the work of eminent SCIENTISTS AND ENGINEERS, such as Edison, Tesla, Westinghouse, Pupil, Steinmetz and many others. This intricate system must be planned, monitored and maintained by engineers and not by

general administrators.

Whatever the merits of deregulation, it has clearly had an impact on the system. Our dependence on a reliable and safe electric distribution system is too great to leave in the hands solely of profit-oriented companies. The consequences of not listening to the experts: ELECTRICAL ENGINEERS, are dire, indeed.

As a society dependent on technology, we must give prominence to ENGINEERS, SCIENTISTS and other technical people. We can ill afford to relegate such people to the background, to be consulted only when a catastrophe occurs. The media, in particular, need to educate the public and our elected officials on the critical importance of these individuals to our standard of living and our pre-eminence as a world power.

The coverage of the blackout underscored the media's general lack of understanding of the technical issues. Few of the people interviewed were ENGINEERS. Many were administrative officials, and the questions asked of them skirted the real technical issues that could have shed light on the underlying problem. This situation is a metaphor of how technical issues have become vested in the hands of non-technical people.

In other areas we give primacy of responsibility to specialists. On civil rights we listen to lawyers. On dealing with SARS, we listen to physicians and epidemiologists. In the building of a new bridge we would expect to listen to (CIVIL) ENGINEERS – and we, therefore should do likewise for our electrical grid. We must give primacy of responsibility to ELECTRICAL and other cognizant ENGINEERS. We need them to create a safe, economical and rational system for reliably generating and distributing power. We also need accountants, lawyers and other professionals – to give counsel, not direction.

In short, let ENGINEERS deal with ENGINEERING problems.

Про наших членів: інж. Василь МАЦЬКІВ

Доля п. Мацьківа схожа на долі багатьох українців, які були змушені у лиху годину шукати спасіння і щастя в далекій Америці. Уродженцю с. Струтин на Івано-Франківщині довелося багато і тяжко працювати, закінчити Вісконський університет і здобути диплом інженера-механіка.



**На світлині п. Василь Мацьків (North Port, Florida)
з дружиною Ніною.**

Своє перше перебування у нас 29 травня 1993 р. і подальші зв'язки з українцями Севастополя п. Мацьків асоціює з програмою "Навчання англійської мови в Україні", яку спонсорували Український Народний Союз та товариство "Просвіта" ім. Тараса Шевченка, коли його зустріла голова місцевої "Просвіти" п. Богдана Процак з дозволом на в'їзд в Севастополь (тоді це було режимне місто). Дізнавшись про те, що саме зараз проходить Конгрес українців Севастополя, він виказав бажання бути там присутнім. І вже на зібранні письмово запитав дозволу на свій привіт як українця з Америки. Йому відразу після перерви надали слово.

Я пам'ятаю оплески, якими зустріли п. Василя Мацьківа присутні. Сміливий виступ був не тільки несподіванкою, але й сенсацією в режимному місті.

З того часу ім'я п. Василя Мацьківа нерозривно пов'язане з Севастополем. Підтримка газети "Дзвін Севастополя", Севастопольського товариства "Просвіта" ім. Т. Шевченка, гімназії №53, радіопрограми "Ластів'ятко", традиційний вже конкурс рефератів серед курсантів Севастопольського військово-морського інституту, видавництво перших українських книг в місті, підтримка українського шкільництва та військових моряків України, ТРК ВМС ЗС України "Бриз", кращих студентів, малозабезпечених людей похилого віку - всі ці зусилля пояснюються талантом, щирістю і щедрістю американського патріота України до її національного розвитку, і, насамперед, українства Севастополя.

Палку любов до України оцінило і Всеукраїнське Товариство "Просвіти", нагородивши його медаллю **"Будівничий України"**, яка була вручена його головою п. Павлом Мовчаном під час велелюдного

мітингу на Софіївському майдані в Києві, і Спілка офіцерів України, яка нагородила п. Мацьківа відзнакою "Офіцерський хрест з мечами", які він безумовно заслуговує за свою подвижницьку працю. Ім'я Василя Мацьківа занесено в Книгу почесних гостей Севастопольського військово-морського інституту. А севастопольські просвітяни присвоїли йому звання "Почесний член Севастопольського товариства "Просвіта".

UESA @ Work

One of the key "selling points" of UESA membership has always been the ability to network between members. The editors of the UESA newsletter were happy to receive news recently from NYC chapter member Maria Grynychyn about how UESA networking was personally beneficial.

Ms. Grynychyn graduated from the State University of L'viv as a mathematician, but worked with various computer systems for most of her career. Earlier, she worked as a software engineer in the former Soviet Union for the electronic industry, and most recently, she has been working as a programmer/analyst in the United States for the past seven years.

Unfortunately, Ms. Grynychyn was caught up in the corporate downsizing which has effected many engineering professionals in the past year. During her job search, she came across a posting to the UESA e-mail discussion list by New York City Chapter Board member Ivan Durbak. Mr. Durbak, as head of Information Technology at SUNY Downstate Medical, was looking to hire some computer professionals. He chose to make the opportunity known to his fellow UESA members. Ms. Grynychyn responded. The rest is history. In short, this was a textbook example of UESA professional networking at work.

Ms. Grynychyn concluded her letter with the following: "the only suggestion I might have for members is to participate more actively in all kinds of events."

Ukrainian R&D Declining, Says Article

For those interested in the state of research and development (R&D) in Ukraine, an excellent summary can be found in the article "Ukraine's Declining Research Establishment", by Paul Josephson and Igor Egorov, which appeared in the July/August 2002 issue of the journal *Problems of Post-Communism*. (This journal is available in many

university libraries.)

The authors note that Ukrainian scientists and engineers have watched their living and working conditions plummet since Ukraine's independence in 1991. During the Soviet era there was at least sufficient funding for R&D activities, but in recent years (due to Ukraine's economic crisis) there has been little or no government-provided money for research. The problem is especially painful given Ukraine's important geographical position in Europe, traditional strength in science and engineering, and the importance of science to its future. Even today Ukraine has more scientists per capita than most European countries.

As a result of the funding issue, the authors note that Ukrainian authors are published in scientific journals at one of the lowest frequencies in the world. This problem, they note, is especially critical in medicine, biotechnology and related areas, where it is made worse by a lack of world-class laboratories and other research infrastructure. Low regard for intellectual property rights also contributes to the problem. Ironically, the authors point out that privatization has also negatively affected the state of research in Ukraine, since such "privatization" often takes the form of individual researchers selling data – produced by entire teams or institutes – for personal profit.

Other problems pointed out by the authors are an "internal brain drain" of talented young scientists away from scientific careers and towards the more-lucrative business sector, with the result that "Ukrainian science is rapidly graying".

A bright spot the authors note is the limited financial support by the U.S. and the international community for some Ukrainian R&D activities, especially those related to converting former weapons-related projects to civilian use. For a "lucky few", contracts with foreign business enterprises have also been established. Plans to improve the situation were also announced by the Ukrainian government in 2000, although whether (and when) these will be broadly implemented is unclear. One such plan would aim to pay arrears owed to researchers on various R&D projects, publicize research results more effectively, and establish special grants to young promising young scientists to keep them in Ukraine.

Above all, the authors note, to hope for a brighter future Ukrainian science must go through an "attitudinal adjustment" – a reform of the bureaucracy, communist mindset, and questionable ethics that still plague many research institutes. Such

reform would increase the confidence and productivity of Ukrainian researchers, and help to attract sorely-needed foreign investment in Ukraine's science and engineering research base.

34 Years Ago in the UESA...

At the 21st UESA General Meeting, held in New York City on May 24, 1969, members elected Mr. Volodymyr Hnatkiwsky to be president of the Society from 1969-1970. Mr. Hnatkiwsky took over the leadership position from outgoing UESA president Mr. Roman Halibej.

In his president's comments, published in the July 1969 issue of the *Bulletin* of the UESA, Mr. Hnatkiwsky wrote, "...We come to the realization that the activity of the Society must be based on the expansion of scientific publications, the organization of scientific conferences and the cultivation of social life through frequent meetings of our members." Noting the political unrest which gripped the U.S. at the time, especially among university students, he predicted that young people of that generation would view the existing political situation differently in the future.

"In 20 years this youth will be part of our membership", he wrote. "This is important to keep in mind."

Donations for 2002

Computers For Ukraine Fund

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Mr. Borys Hayda (New Jersey Chapter)
Mr. Ihor Vitkovitsky (Washington DC Chapter)
Mr. Russ Chelak (New Jersey Chapter)
Mr. Alexander Poletz (Minneapolis Chapter)
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New Members (October – November)

- Oleg A Kritsun (New York City Chapter)
- Gregory Woloszyn (New York City Chapter)
- Orest Zuk (New York City Chapter)
- Orest Klufas (National member)

UESA-TYIA Polo Shirts Available



Enlargement of UESA shirt logo

One way to show your support for UESA to family, friends and professional colleagues is to wear a UESA shirt. These stylish white shirts are 100% cotton and are emblazoned with the "blue and gold" rocket logo of the Ukrainian Engineers' Society of America. The design also includes the UESA web site address and the slogan "Your link to the future". The shirts are available in sizes ranging from small to extra large.

The shirts cost \$20 each plus shipping & handling. (S&H fees: \$7 - 1 shirt, \$8 - 2 shirts, \$9 - 3 shirts, \$10 - 4 shirts, 5 or more shirts - contact UESA for a quote) Order forms are available on the UESA web site (www.uesa.org).

For additional information, please write to:

Ukrainian Engineers' Society of America
Attn: UESA Shirt Orders
2 East 79th Street
New York, New York 10021

Advertise in the UESA National Newsletter

UESA has decided to begin accepting community and professional advertising for publication in our newsletter. The Board of Directors reserves the right to approve the appropriateness of all advertising submitted to the newsletter.

The *UESA National Newsletter* is published quarterly and is distributed to all Society members. Additionally, past issues are archived on the UESA web site and are accessible by the entire internet community.

The following rates have been set:

Full Page	-	\$100 per issue
Half Page	-	\$ 75 per issue
Quarter Page	-	\$ 50 per issue
Eighth Page	-	\$ 25 per issue

Page size is 8.5 by 11 inches. Discounts are available for space purchased across multiple issues.

For additional information, please contact us at the address on the letterhead or via e-mail at national@uesa.org,

Upcoming Events

December 10 - Detroit Chapter Christmas Party

December 13 - Annual New York City Yalynka

December 17 - New York City UESA Lecture Series

February 2004 - Annual Philadelphia Engineers' Ball

UESA Newsletter Editorial Calendar

Help contribute to the UESA newsletter! The following is the editorial calendar through the spring of 2004, listing deadlines for the submission of material and the editorial topics. In addition to chapter activity, we are also looking for news on member personal and professional accomplishments, member community activity, interesting articles, comments on Society activities, and other topics which may be of interest to the membership.

Please submit material to the national board at the address located on the letterhead or via e-mail to newsletter@uesa.org.

Winter 2004 Issue:

(Material must be submitted by January 2, 2004)

Chapter Christmas/New Year's Parties
Chapter Fall Events / Lectures
Other news from the chapters
Calendar of Upcoming Events (April thru June)

Spring 2004 Issue:

(Material must be submitted by April 2, 2004)

Debutante Ball Coverage
Other news from the chapters
Calendar of Upcoming Events (July thru September)

NATIONAL EXECUTIVE BOARD MEMBERS:

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<i>Board Member:</i>	Andrij Hankewycz

Keep Us Informed!!!

Please send news items, articles, information about our members and other interesting information to the following address:

Ukrainian Engineers' Society of America
Attn: UESA Newsletter
2 East 79th Street
New York, New York 10021

Or via e-mail: national@uesa.org



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