Dusko Doder, news correspondent, author of The Yugoslavs, a biography of Mikhail Gorbachev, and other books, and TMS member, is presently working on a Tesla biography.

Carol Costa's youth-oriented biography of Nikola Tesla is due for publication later this fall.

Karen A. Klami's play, **"Tesla: Taming the Tiger"**, may be presented this September.

The Tesla Journal, No.s 6 & 7 has been received with a more than satisfying response. Many copies were sold to the public through book outlets in western New York, leading in turn to new members. Complimentary copies were also distributed to leading figures of the **Niagara Mohawk Power Corporation**, which traces its lineage directly back to the original Adams Station hydro-electric generating plant.

It is thanks to Niagara Mohawk's **Phil Viverito** that we have that terrific **Tesla Journal** cover photograph of the Tesla statue on Goat Island, Niagara Falls. Phil also did the photograph for the pamphlet **Nikola Tesla: The Inventor Who Changed the World,** by Daniel Dumych. Again, many thanks to Phil and the other people at Niagara Mohawk who have been so helpful.

Wardenclyffe / Shoreham: The TMS, Inc., people of the New York City / New Jersey area successfully initiated a program to have the Wardenclyffe Tower site made into a National Landmark. They had a successful meeting with area congressmen, gathering at the site with Dr. Ljubomir Vujovic, the organizer and General Secretary of the NY - NJ branch of the TMS, Inc.

Present were William Terbo, Congressman George Hochbrueckner, Congressman Roe, Congressman Rinaldo, Dr. Mariza Pezulic, MD, Dr. Dusan Kosovic, MD, Eng. Suskacevic, Carol Costa, and Karen A. Klami. All in all, about 35 people assembled, with local television stations present.

Dr. Vujovic made a video of the event, which can be borrowed by interested groups. He can be reached at the following address:

Dr. Ljubomir Vujovic, MD
General Secretary, NY / NJ TMS, Inc.
2058 Hart Street
Brooklyn, New York 11237

According to **Will Mische** of St. Cloud, Minnesota, an excellent opportunity for a repository of Tesla documents in microfilm form at the University of Minnesota is unfolding. Hopefully, more on this will be known for our next newsletter.

Sidsell T. Alpert of Dallas, Texas has completed her Tesla film scenario. She is presently in Sweden, and no doubt we will hear more on her project soon.

Troy Luccketta, Frank Hannon, and the other members of the electrically-motivated rock group **Tesla**, have been more than helpful in the Nikola Tesla bust project. They paid the entire $6000 cost of the first bust, which is now in the **University of Michigan's Dow Engineering Building.** Tesla is doing very well in the contemporary music world, thank you. Sold-out concerts are commonplace for them. A recent "Pittsburgh Post Gazette" review read: "...the melodic five-piece band sprinkled just enough spice into their pop metal to make it palatable..."
Take one kilowatt of electricity, and serve on a heavy metal plate...

The TMS is honored to have **relatives of Nikola Tesla** in its membership. They are:
Nenad V. Mandich, Director, TMS, Inc.; he owns HBM Electrochemical & Engineering, in Lansing, Illinois. Mr. Mandich's great grandfather Trifun Mandic was the brother of Djuka Mandic, Tesla's mother.
Ljubisha Jankovic', an architect in Paris, France, is a grandnephew of Tesla.
William H. Terbo, Honorary Chairman of the TMS, Inc., is also a grandnephew of Tesla.
Dr. Dana Budisavljevic', Professor Emeritus of the French language at Zagreb University, Yugoslavia, is a grandniece of Tesla.
Jovan Trbojevic, of Chicago, owns a Four Star Michelin restaurant, the Le Perroquet. He is William Terbo's first cousin.

Philip (charter member of the TMS, Inc) and **Lazo Momchilovich**'s chamber group, **Washington Pro Musica**, will be performing at the French Embassy in Washington, DC on September 26, 1990. They have played for audiences in England, Belgium and the Netherlands, and are natives of Akron, Ohio. Congratulations and many continued successes!

Tesla on C-Span. On July the 10th, seven congressmen and one senator memorialized the 134th anniversary of Tesla's birth. **Congresswoman Helen Delich Bentley** of Maryland and **Senator Carl Levin** of Michigan both memorialized Tesla on live television. Many thanks to them and **Congressmen Roe, Rinaldo, Engel, Hochbrueckner, and Nowak. Congressman Nowak** is no stranger to the TMS, Inc. It is questionable whether the Tesla commemorative postage stamp would have appeared without his help.

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Tesla Memorial Society Inc.

FOUNDED 1979

NEWSLETTER

Fall - Winter Issue, 1990 **$1 - free to members**

Daniel M. Dumych and Nicholas Kosanovich, Editors

DUES REMINDER - YOUR DUES STATUS IS GIVEN ON THE ADDRESS PORTION OF THIS NEWSLETTER. THE T.M.S.'S FISCAL YEAR RUNS FROM JULY TO JUNE.

ACTIVITIES

Plaque dedicated in Niagara Falls, New York, commemorating the Adams Power Station, where Nikola Tesla's dream of the large scale application of alternating current became a reality.
A detailed report by Daniel Dumych, our Niagara Falls correspondent.

On June 21, the IEEE hosted a plaque dedication ceremony in the Power Vista, recognizing the historic significance of the Adams Power Station, the world's first large scale AC plant. In attendance were many local and regional industrial, electrical, and government figures. Present from the Tesla Memorial Society were Nicholas and Mary Kosanovich, and Daniel and Laurel Dumych.

The plaque reads:
Electrical Engineering Milestone - Adams Hydroelectric Generating Plant, Niagara Falls.
When the Adams Plant went into operation on 26 August 1895, it represented a key victory for alternating current systems over direct current. The clear advantage of high voltage AC for long-distance power transmission and the unprecedented size of the plant - it reached its full capacity of ten 5000 HP generators in May 1900 - influenced the future of the electrical industry worldwide.
June 1990, Institute of Electrical and Electronics Engineers

Dr. M. Safiuddin, keynote speaker at the ceremony, explained: *"Through the 'Electrical Engineering Milestones' program, IEEE attempts to encourage electrical engineers to recognize and appreciate their own professional history and heritage, while at the same time to increase public awareness of the contribution of electrical technology to their modern day lifestyles."*

Also participating in the ceremony were Mayor Michael O'Laughlin of Niagara Falls, Charles P. Steiner of the Niagara Falls Chamber of Commerce, Joanne Willmott of the Power Authority of the State of New York, and William P. Jenney and Quentin J. Hoffman of the Institute of Electrical and Electronics Engineers.

It was most gratifying to hear Nikola Tesla's name mentioned so often during the ceremony. According to this writer's recollection, Thomas Edison's name was heard only once, in contrast to Tesla's, which came up six or so times! As well it should be, too; so much of what was done in this initial power development in Niagara Falls was directly a result of Tesla's work in the AC polyphase field.

The Adams Power Station is a cornerstone of our modern-day history, although its revolutionary contribution is largely neglected by contemporary historians. It was here that our present way of life was born in 1896 through the success of a grand yet unproven experiment. It was here that Nikola Tesla's concept of the polyphase alternating current system made the transitional leap from thought to manifestation. It was here, too, that the Edison-backed direct current system was finally shown to be appropriate for only a secondary role in the new world that was taking form. It was in the Adams Station's guestbook that Tesla wrote as his address: "Stop in New York, but heart is at Niagara".

Sadly too, much like Nikola Tesla, the role of this important hydro-electric facility, which was demolished in 1965, is largely unrecognized. This move on the part of the IEEE to commemorate the historic part played by the Adams Power Station deserves our hearty applause.

The International Tesla Symposium, Colorado Springs, Colorado, along with an update on the Smithsonian situation.
A report from John W. Wagner, Chairman of the Youth Division.

The main reason I attended this symposium was to be able to meet with people I felt have similar interests and would be able to further my project of having a permanent placement of our Tesla bust in the National Museum of American History (NMAH) of the Smithsonian Institution. Dr. Aleksandar S. Marincic, Director of the Tesla Museum in Belgrade, Yugoslavia was there. We have corresponded, but I had not seen him in at least five years. Also, Mr. Leland Anderson was there. Lee is probably the one individual in this country who has been a champion of Tesla the longest and knows more about the inside Tesla story than the rest of us put together. Of course, William H. Terbo, grandnephew of Tesla was there, as was Mr. Nicholas Kosanovich, our Executive Secretary and Treasurer, who does all the real work to keep our group together.

As some of you know, the project I undertook two years ago to acquire a bust of Tesla to donate to the Smithsonian lead to some correspondence with Mr. Robert McCormick Adams, Secretary of the Smithsonian. My challenge to Mr. Adams was that Dr. Bernard S. Finn, Curator of the Division of Electricity and Modern Physics of NMAH has essentially expunged Tesla's name from the grand picture of the development of electrical energy in the world. This prompted Mr. Adams to respond in a letter to me dated September 26, 1989. The content of that letter directed Dr. Finn to create a Tesla display. Later it was learned that the display will be presented in 1993 to commemorate the hundredth anniversary of the Columbian Exposition. Mr. Adams' exact words were "I have asked Dr. Finn whether it would now be reasonable to expand the scope of the exhibit so that he could include some comments about Tesla's activites". I interpret this as being substantially more than a request. Therefore, I believe we can count on some kind of display in 1993.

I am somewhat apprehensive about the content of the proposed display, as well as the length of time it will remain for people to see. Inasmuch as Dr. Finn seems to have full discretionary power in its creation, I believe it is likely the effort will be minimal unless appropriate guidelines are presented and an insistence made that they be followed. Dr. Finn has repeatedly refused to accept our $6000 bust, claiming not to have a use for it and stating that it would only sit on a shelf in their storage room. Yet he displays a bust of Thomas Alva Edison in an area where Tesla should be honored.

When I discussed the Smithsonian situation with Dr. Marincic I was surprised to learn that someone from the Smithsonian had written to the Tesla Museum seeking an exchange of artifacts for a Tesla display. Dr. Marincic did not recall who had written, but he intended to visit the Smithsonian before he left the country to discuss the matter with officials there.

Dr. Homer A. Neal, Chairman of the Department of Physics at the University of Michigan happens also to be a Regent of the Smithsonian. Dr. Neal had offered to act as an intermediary if I should ever want an appointment with someone at the Smithsonian. This seemed to be an occasion in which I could make use of his kind offer, so I had an appointment made for Dr. Marincic to meet with Mr. Art Mollela, Chairman of Science Technology at NMAH.

The following day after the meeting Dr. Marincic called from New York to and describe what happened. According to Dr. Marincic, Dr. Finn accompanied Mr. Mollela and it was Dr. Finn who did virtually all the talking while Mr. Molella remained as a silent observer.

Dr. Marincic said that he brought up the subject of the Tesla bust and suggested that it would make a handsome addition to a Tesla display. Dr. Finn immediately vetoed that idea and stated that he had no use for it. Then Dr. Marincic noted that a bust of Edison was displayed. He asked Dr. Finn why he would display a bust of Edison but not Tesla. The response he received was an agglomeration of confusing explanation, so the subject was dropped.

Then the subject of Tesla's death mask was discussed and Dr. Finn seemed interested in using it in his display, so Dr. Marincic agreed that the Smithsonian could have it. During our telephone conversation the next day after the meeting Dr. Marincic asked for my opinion of their discussions. I suggested that I would be reluctant to offer the death mask as long as Dr. Finn was uncooperative with regard to our bust. Dr. Marincic agreed not to send the mask. He also felt that Dr. Finn needs to demonstrate more of a spirit of cooperation. Unless a clear mandate is made, his 1993 Tesla display, as I indicated earlier, will be a minimal effort and it will also be temporary. The Edison display will continue to be in the main arena and people will still believe that he is the father of our electrical world.

MORE ON THE BI-ANNUAL CONFERENCE AND SYMPOSIUM IN COLORADO SPRINGS:
A report from Nicholas Kosanovich, Executive Secretary and Treasurer.

The following members and officers were present at the conference and symposium held by the International Tesla Society of Colorado Springs, Colorado: **William H. Terbo**, Honorary Chairman, Tesla Memorial Society, Inc., delivered the introductory speech and gave a historical and chronological view of his own life and that of the Tesla family, and the parallels between Tesla's life and that of his father, Jack Terbo (Nikola Trbojevic). William's father was quite an inventor in his own right, with more than 100 patents in the field of mechanical engineering. So, there is some genetic affinity for discovery in the family! Among others in attendance were **John W. Wagner**, whose report appears elsewhere in this issue. There are more than 30,000 names gathered in the petition drive to demand that a permanent display of a Tesla bust be put in the National Museum of American History of the Smithsonian Institution. **Nicholas Kosanovich, Dr. Rastko C. Maglic** of Colorado Springs and our Board Member attended; **Dr. Ivan C. Tiholiz, M.D.** was there; **Dr. Aleksandar S. Marincic**, member of our Science Committee, Director of the Tesla Museum in Belgrade and Professor at the University of Belgrade, delivered a major paper, which will be included in the next Tesla Journal. **James DiMichele** was also present.

An estimated 600 people attended the conference. On the grounds of the Colorado Springs Hilton, Mr. Bill Wysock from California displayed Tesla Coils with capacities of more than 6 million volts. During his demonstration he sent currents through his body, much in the manner that Nikola Tesla did during his legendary lectures.

The conference was jointly sponsored by the International Tesla Society and the Rocky Mountain chapter of the IEEE. Our Society cooperated with them, supplying needed materials, etc. I, Nicholas Kosanovich, would like to personally thank Mr. Steve Elswick, President of the International Tesla Society, for a *very well organized symposium.*

The Tesla Journal sold very well at the conference. About 100 copies were sold, and new members were signed up.

Dr. Rastko C. Maglic initiated a program to have a Tesla Museum at the Colorado Springs laboratory site where Nikola Tesla conducted his experiments in 1899 and 1900. I call it **geotransmission**. We are not sure if it was ground or air **wireless transmission.**

MORE ON THE SMITHSONIAN: A LETTER FROM DR. LJUBOMIR VUJOVIC, GENERAL SECRETARY, NY - NJ AREA, TMS, INC.

On August 1, 1990, Dr. A. Marincic, Director of the Tesla Museum in Belgrade, Yugoslavia, and I met with Dr. Bernard S. Finn and Mr. Robert McCormick Adams of the Smithsonian Institution.

It was to concretize the proposed centenary of the Columbian Exposition in 1993 at the Smithsonian, in conjunction with our society, the Tesla Museum, Westinghouse. and the Smithsonian Institution.
The Columbian Exposition utilized the Tesla polyphase AC system for the first time on a large scale by George Westinghouse in 1893.

We used this occasion to request from them a pledge of support to incorporate more exhibit materials of and by Nikola Tesla alongside other historically significant Americans who are on exhibit there. We also requested that a bust of Tesla be part of a permanent display at the Smithsonian.

We will be in communication with them and to apprise them of their promised pledges.

News Flashes

The Tesla Memorial Society recently joined the **Western New York Association of Historical Agencies.** We look forward to many years of cooperation with kindred historical societies, and are eager to upgrade our skills using the resources of the WNYAHA to better serve the growing ranks of the Tesla Memorial Society.

Belgrade Television has done a six hour long documentary series on Nikola Tesla. They have also lderived from this a 40 minute segment in the English language! We are eagerly awaiting more word on this.

Tesla Memorial Society Inc.

453 MARTIN ROAD, LACKAWANNA, NEW YORK 14218



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Dr. Pavle Savić — Belgrade

THE PURPOSE of this society is to honor and perpetuate the memory and ideals of the great scientist and inventor Nikola Tesla through appropriate academic conferences, scholarship awards, and various cultural activities.
It is a non-political and non-profit organization.

Lackawanna, N.Y. 14218

Dear Member:

Thank you for your continued interest in our programs. Dues is the main source of our income to cover all our expenses uncluding stipends!

1. TESLA: MAN OUT OF TIME, M. CHENEY(paperback)-$5
2. CATALOG OF TESLA PATENTS(BI-LINGUAL) $4-15 countries
3. MY INVENTIONS--AUTOBIOGRAPHY(paperback) $8-Editor B. Johnston
4. NIKOLA TESLA, LIFE & WORK OF A GENIUS(PAPER)-$4.95
5. PRODIGAL GENIUS-J. O'NEILL(paperback) $8
7. Continous Wave, H.G.J. Aitken(paperback)$19.95
   History of Radio in the US with Tesla neferferences
8. LECTURES, PATENTS & ARTICLES-
9. TRIBUTE TO NIKOLA TESLA(CLOTH) - limited supply
10. COLORADO SPRINGS NOTES(LEATHERBOUND)-$60 limited supply
11. PHOTOS- Tesla in Laboratory-4" x 6" $1
    " Wardencliff Tower- " " -$1;8" x10"-$5
    " Tesla bust as a young man-" "$1
    " " holding a wirelss lamp -4 x 6-$1
    " Facade of Electrical Bldg., Strasbourg, France color with enclosures-5"x7"-$3-Tesla's name, Einstein,LaPlace, Volta, etc.
    " Tesla next to coil in Colorado Springs-4x6-$1

Brochures of the Tesla Museum in Belgrade and Tesla Museum in Smiljan with pictures of bldgs. , etc. FREE BY REQUEST!

These books are available in Serbo-Croatian

12. Tesla i Svet Vazduhoplovstvo- $4 (paperback)
13. Tesla Otkrića u Mašinstvu--- -$4 "
14. Kolorado Springs Beleške-$60-leather(Colorado Springs Notes.)

YOU SHOULD HAVE RECEIVED YOUR 6th & 7th DOULBE ISSUE BY NOW!
Please advise if you care to receive material written in Serbo-Croatian and some in French. The Tesla Memorial Society has a reciprocity of technical papers with the Serbian Academy of Arts & Sciences and their lingue franche are the above in addition to English.

POSTAGE IS SEPARATE!!!!!!- $2

Sincerely,
Nicholas Kosanovich
Nicholas Kosanovich

P.S. This is the latest list of Officers and Board members and Correspondents!

ORDER FORM FOR "BUST THE SMITHSONIAN" SWEATSHIRTS/T-SHIRTS

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Indicate quantity in the appropriate space

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_____ XL Adult T-Shirt
_____ XXL Adult T-Shirt

_____ Total
X $18 for <u>each</u>
T-Shirt shipped.
_____ Total Cost

(T-shirts Fruit of the Loom - all cotton)

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_____ XL Adult Sweatshirt
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X $25 for <u>each</u>
sweatshirt shipped.
_____ Total Cost

(Sweatshirts Russell Athletic 50% cotton/50% polyester)

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Please pay by check or money order (no cash or credit cards)
Make check payable to: "<u>Tesla Memorial Society, Inc</u>."

Mail order to: Mr. John W. Wagner, Chmn.
Tesla Memorial Society, Inc.
3890 Tubbs Road
Ann Arbor, MI. 48103

Phone: (313) 663-7031

For anyone wishing to become members of the Tesla Memorial Society, please inquire for application. Our regular membership fee is $15. per year. Student fee is $5. per year. Our I.R.S. tax-deductible number for membership is: 22-231473. (Sorry, the shirts are not tax-deductible.)

The PURPOSE of this society is to honor and perpetuate the memory and ideals of the great Yugoslav-American scientist and inventor Nikola Tesla through appropriate academic conferences, scholarship awards, and various cultural activities. It is a non-political and non-profit organization.

I wish to announce that in connection with the commercial introduction of my inventions I shall tender professional services in the general capacity of consulting electrician and engineer.

The near future, I expect with confidence, will be a witness of revolutionary departures in the production, transformation and transmission of energy, transportation, lighting, manufacture of chemical compounds, telegraphy, telephony and other arts and industries.

In my opinion, these advances are certain to follow from the universal adoption of high-potential and high-frequency currents and novel regenerative processes of refrigeration to very low temperatures.

Much of the old apparatus will have to be improved, and much of the new developed, and I believe that while furthering my own inventions, i shall be more helpful in this evolution by placing at the disposal of others the knowledge and experience I have gained.

Special attention will be given by me to the solution of problems requiring both expert information and inventive resource work coming within the sphere of my constant training and predilection.

I shall undertake the experimental investigation and perfection of ideas, methods and appliances, the devising of useful expedients and, in particular, the design and construction of machinery for the attainment of desired results.

Any task submitted to and accepted by me, will be carried out thoroughly and conscientiously.

Nikola Tesla





Tesla Memorial Society, Inc.
453 Martin Road
Buffalo, New York 14218

DR. E.E. TAYLOR
245 N. OAKLAND AVE
INDIANAPOLIS, IN 46201

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Tesla Memorial Society Inc.

FOUNDED 1979

NEWSLETTER

Fall Issue, 1992 — Nicholas Kosanovich, Editor — $1 - free to members

In Memorium

Dr. Kenneth Naylor, Jr, 55, Professor of Slavic Languages, Ohio State, passed away March 10, 1992. He was a charter member of TMS, Inc.

Rakila Kachansky, A charter member of our Society. She lived in Detroit, Michigan and worked as a seamstress.

She bequeathed $2,000 to the Tesla Memorial Society, Inc. We are so grateful to her magnanimous contribution in order to aid the young science students. This is a most helpful way one can contribute to the improvement of human progress through advances by those same beneficiaries of the ideas of Tesla and his supporters by contributing.

May her memory live through those of us who share her views.

Honorable John. A. Blatnik passed away in December 1991 at the age of 80.

He was also a CHARTER member of our Society and was most instrumental in effecting a commemorative stamp in 1981 in collegiality with Col. Armstrong, Philo Farnsworth and Charles P. Steinmetz.

John served in congress for a long time and also served our country in WWII.

Attached is a sheet dedicated to his memory by his friends and especially, Hon. Congressman Oberstar who succeed Blatnik in the same Minnesota congressional district.

Dr. Ljubomir Vujovic, Gen. Sec. for the NY - NJ region of our society has made a videotape - **Tesla: The Genius Who Lit the World.** It has been shown on PBS TV Stations in the West and many times on Manhattan Cable and Paragon Cable in the New York, New Jersey and Pennsylvania Areas.

We sell it for $19.95 including postage. There will be repeated showings on May 10 and May 14. As a result, we have recruited many new members.

The IV International Tesla Symposium took place in Belgrade, last September 23-25, 1991, marking the 135th Anniversary of his birth.

Abstracts are available for $2. Please advise. We have only 100 in stock.

«« A reminder - Annual dues are due in June »»

Raymond A. Brubacher, organist and member of the Tesla Memorial Society, Inc., has composed a musical suite titled "Tesla Suite" for organ.

Here are excerpts from his letter 4/18/92.

"I have been in touch with Mr. John W. Wagner and we have exchanged letters . . . I have contacted Bernard Finn, Curator of the Division of Electricity and Modern Physics, Smithsonian about the inaccuracies in the Hall of Electricity Exhibit in the National Museum of American History. I also wrote a letter to the American Heritage of Invention & Technology praising the recentarticle by Curt Wohleber . . .

Our local FM good music station features an hour program each week on organ music. The producer of the program has agreed to broadcast with comments on Nikola Tesla. My 16 year old son has just completed an English term paper on Tesla and I am sending Mr. Wagner a copy for his files."

NOTE: Mr. Wagner is the Chairman of the Youth Division of TMS, Inc. His address is:

John W. Wagner, Chairman
TMS, Inc., Youth Division
3890 Tubbs Road
Ann Arbor, MI 48103

Under the heading of CHRONICLE, the New York Times of January 27, 1992 wrote an article about the Encyclopedia Britannica, Research Service. The Service has listed TESLA as one of the top TEN people inquired about last year. The others were John F. Kennedy, Rev. Dr. Martin Luther King, Jr., Albert Einstein, Jesus Christ, Adolph Hitler, Edgar Allan Poe, Abraham Lincoln, Pablo Picasso and Al Capone.

Gorbachev and Yeltsin did not make the top 10 list.

★ **IEEE POWER ENGINEERING SOCIETY** Winter meeting has awarded the Tesla Medal to Dr. Thomas Herbert Barton of Calgary, Alberta, Canada. It is an award that is presented jointly by the Yugoslav Technical Societies and the Power Engineering Society.

★★★ BOOK NEWS ★★★

Our society has for sale the Margaret Cheney biography of Tesla, "Tesla: Man Out of Time". Paperback - $5.00 plus $1.00 postage.

We also have for sale the same biography in Serbo-Croatian using the latin script. It sells for $15.00. We have 100 copies to sell.

We have 20 copies of Volume I of the six volume Tesla series being printed by the Tesla Museum in Belgrade -- We sell it for $25.95. It is leatherbound and in Serbo-Croation only "Radovi iz Oblasti Elektroenergetike". 307 pages.

PROFILES & ACTIVITIES OF OUR MEMBERS

I want to thank M.M. McIntyre, TMS, Inc. member for sending in the PR on the TV series shown on PBS stations - "Empire of the Air" by Ken Burns. Also, for sending a critique of it for not mentioning Nicola Tesla. We also want to thank many of our members for being alert to omissions - inadvertant or not - not to mention our benefactor as one of the CHIEF contributors to radio.

✳✳ CIRRICULUM VITAE OF DIRECTOR ✳✳

Nenad V. Mandich whose great grandfather - Trifun Mandic, was Djuka Mandic's brother. She was Tesla's mother.

He is the founder, President and Research Director of HBM Chemical and Engineering Co., Lansing, IL. He holds a Dipl Eng. degree in Chemical Engineering from the University of Belgrade, Yugoslavia and M.Sc. in Theoretical Chemistry from Roosevelt University, Chicago, IL. He is now pursuing his Ph.D. in Electro-Chemical Engineering under Dr. Professor Dennis at Aston University, Birmingham, UK.

He was previously employed as:

Research Chemist, Coral Chemical Company
Technical Director, KCI Chemical Company
Senior Process Engineer, Sunbeam Corporation
Plant Manager, Federal Tool & Plastics
Sr. Corporate Project Engineer, Apollo, Inc.
Staff Program Manager, Amphenol Company

He is a member of many socieites - among them - New York Academy of Sciences; A.A.A.S. Fellow of Institute of Metal Finishing, UK. He lectures in the U.S. and worldwide.

He is listed in "Who is Who" in the Leading American Executives and "jWho is Who" in Science and Engineering. He has 8 patents and over 15 papers published or submitted to his credit.

Museum Blacks Out Nikola Tesla's Work

A Forgotten Genius

By JUDY DAUBENMIER
Associated Press Writer

ANN ARBOR, Mich - John Wagner is through being nice.

He has pelted the Smithsonian with letters, circulated petitions and sold T-shirts with slogans championing his cause, all with little result.

Wagner is determined to short-circuit what he says is an effort by the Smithsonian Institution to black out the memory of a great pioneer in electricity, all because Nikola Tesla left no grant-giving foundation to perpetuate his legacy.

"Honest history being traded for money," said Wagner, a 63-year-old schoolteacher.

Smithsonian officials admit money to pay for exhibits can be a problem, but say lack of artifacts is the main reason Tesla has not bee featured prominently in exhibits. Much of his equipment was destroyed in a laboratory fire in 1895.

"We're not putting in Marconi of Edison because somebody is telling us to do so. That simply is not the case," said Bernard S. Finn, curator of the National Museum of American History's division of electricity and modern physics.

No power company is named after him, but Tesla was awarded patents on every aspect of the modern system for generating and distributing electricity.

That's an achievement Wagner ranks alongside the invention of the wheel and the printing press.

Yet, Wagner said, the museum enshrines Thomas Edison's name in its exhibit on electricity, not Tesla's.

The 28-year old Tesla arrived in New York from Yugoslavia in 1884 with just four cents in his pocket, but his plan for alternating current already completely worked out in his mind.

His biggest obstacle was the direct current system pushed by the more famous Edison, who didn't want to see his powerhouses replaced.

Direct current could be transported only short distances, requiring powerhouses every mile or so. But Tesla's groundbreaking understanding of alternating current made it possible to send electricity cross-country.

Tesla's revolutionary ideas eventually won the "War of the Currents." His technology was showcased at the 1893 Chicago World's Fair and used to harness the energy of Niagara Falls for transmission to Buffalo, NY, 25 miles away.

Tesla was awarded 111 patents, including those for all phases of the generation and distribution of alternating current and the foundation for radio broadcasting.

A loner and a poor businessman, he did little to enrich himself from his inventions. He offered to give his patents to Edison, but the inventor scorned the offer, so Tesla sold them to George Westinghouse.

Tesla never married, lived his last years in poverty and died in 1943 in New York, leaving no foundations or heirs to preserve his memory.

> In June of 1943, the United States Supreme Court decided that Nikola Tesla had, in fact, invented modern radio technology, ruling that Guglielmo Marconi's patents were invalid and had been 'anticipated'. Tesla was vindicated -- though far from victorious. Five months earlier, alone and destitute in a New York hotel room, the great inventor had died.

Wagner's infatuation with Tesla began in 1983. The science history buff happened to pick up a book on the inventor in a library while waiting to pick up his daughter.

Wagner then involved his third-graders.

When he learned of a street sign in Madison, Wis., with Tesla's name misspelled as "Telsa," his students unleashed a letter-writing campaign to city officials and got it changed.

They wrote industry chief executive officers to beg for help in paying for a bust of Tesla. Wagner contacted a rock band named after Tesla, which agreed to underwrite the $1,8000 cost of the bust. The rock group also visited his class and included Wagner on the jacket of one of its compact discs.

Then, on visit to Washington, D.C., Wagner noticed the Smithsonian's snub.

For three years, Wagner has been pressuring the Smithsonian to accept the bust for display in the National Museum of American History and to develop a Tesla exhibit.

To Wagner, the slighting of Tesla is more than bureaucratic oversight, and noted a comment made to a House appropriations subcommittee by Roger Kennedy, director of the National Museum of American History. "Should every object brought into our collections have to pass the inspection of corporate donors?" Kennedy said.

With no corporations carrying Tesla's name, he's at a disadvantage, Wagner said.

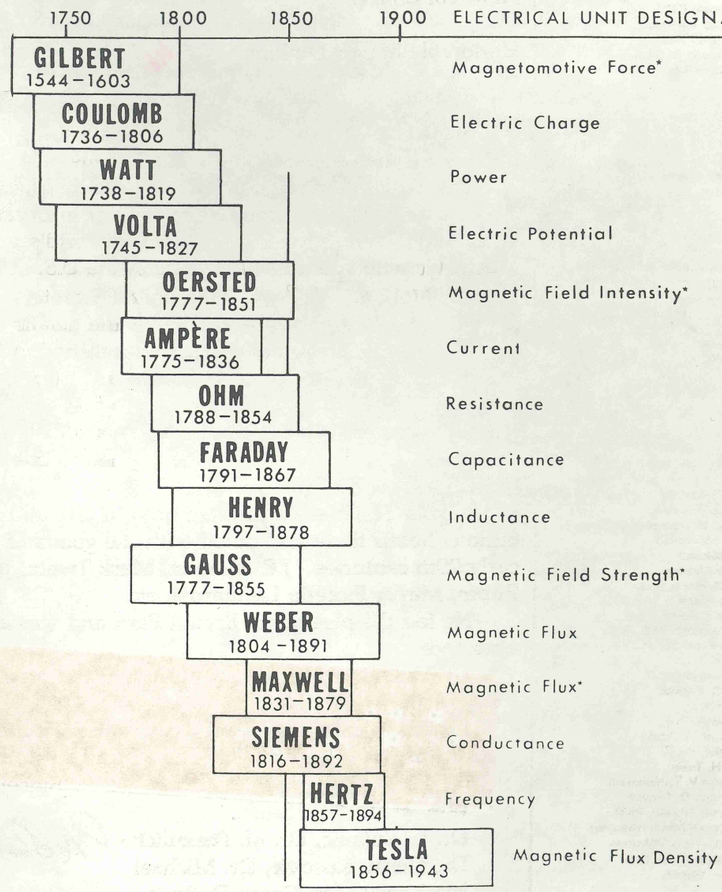
"What industry is saying, if we give you this money, we reserve the right to exercise some control over how you present your displays. This translates to the simple fact that there is no money to be had in celebrating Nikola Tesla," he said.

The Times February 7, 1992

*** Excerpt from Leland I. Anderson book just printed . . .**

H(enry) Fairfield Osborn, Dean, Faculty of Pure Science, Columbia College in the City of New York. Osborn wrote to College President Seth Low in January, 1894, saying in part, "I have especially upon my mind two matters which I think will appeal to you very strongly. The first is connected with Mr. Hill of Nyack, and the second with Mr. Tesla of New York. I have learned recently that Mr. Hill is considered the leading mathematician in this country, and there seems to be little doubt that Mr. Tesla is the leading electrician. They both are in a measure connected with Columbia through Mr. Hill's lectures here, and through the fact that Mr. Tesla at Professor Pupin's and Professor Crocker's invitation gave his first electrical lecture in Columbia. So that we have already established a sympathetic relation with these great men. I spent an afternoon recently with Tesla, and regard him as one of the most distinguished men I have ever met. I happened to meet Professor Crocker shortly afterwards, and learned form him that he had spoken to you in regard to giving Tesla an Honorary Degree. I would like to support this in the most earnest manner. Poulton (Prof. of Biology at Oxford) tells me that Tesla was covered with honors while in England and France. We certainly must not allow any other University to anticipate us in honoring a man who lives under our very walls." In response to this, President Low recommended, in a letter dated February 5, 1894, to the Trustees, that the honorary degree of LL.D. should be conferred on Tesla. The degree was awarded in June, 1894.

THE MEN BEHIND THE NAMES OF THE ELECTRIC AND MAGNETIC UNITS



Tesla Memorial Society Inc.



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THE PURPOSE of this society is to honor and perpetuate the memory and ideals of the great scientist and inventor Nikola Tesla through appropriate academic conferences, scholarship awards, and various cultural activities.
It is a non-political and non-profit organization.

July 7, 1992
Buffalo, N.Y.

Hon. David N. Dinkins
Mayor, New York City
City Hall
New York, N.Y.

Honorable Mayor Dinkins:

I want to congratulate you in the project of renovating Bryant Park and placing statue and/or busts of the city's leading citizens - past and present - on display for the people to know its glorious past.

The Tesla Memorial Society, Inc. would like to urge you to place a bust that is available of our mutual benefactor in Bryant Park.

The bust or statue is by one of the world's greatest sculptors, Ivan Mestrovic who spent his last years in the U.S.

Dr. Ljubomir Vujovic, our General Secretary for the New York- New Jersey Region, can apprise you about the details of this statue.

We would like to have this accomplished in 1993 which is the Centenary of the Columbia Exposition - which was lit up for the first time with ALTERNATING CURRENT on a large scale.

This was the precursor to the Niagara Falls being harnessed with Tesla's patents by George Westinghouse that led to the accelerated development of industrialization of the world.

Nikola Tesla was a resident of your city all his adult life. He stayed at the famous hotels there and dined with the giants of industry of the late 19th and early 20th centuries - J.P. Morgan, Mark Twain, Johnson, the poet, Michael I. Pupin, Mayor Fiorello LaGuardia, etc.

He fed the pigeons in Bryant Park and was an integral part of its ambience.

Dr. Vujovic's address is: 1058 Hart St., Brooklyn, NY 11237; tel: (718) 417-5102.

I thank you in advance for your serious consideration!

Sincerely,

Nicholas Kosanovich

cc: Wm. H. Terbo, Hon. Ch.
Dr. L. Vujovic, Dr. M. Pezzulich
Dr. Dusan Kosovic, Dr. Michael Markovich, Dr. Goran Djuknic
Carol Costa, Karen Klami

P.S. Enclosed is our latest videotape that shows what he has done!

DULUTH NEWS-TRIBUNE December 20, 1991

Oberstar eulogizes Blatnik

Knight-Ridder Newspapers

Washington

Former Congressman John A. Blatnik was remembered Thursday as a legislative pioneer who passed on a legacy of public works and environmental laws that will affect his northern Minnesota district for years to come.

"There is no parallel to the life of John Blatnik," said Rep. Jim Oberstar, who has occupied Blatnik's 8th District congressional seat since he retired in 1974. "The legacy he shared with all of us, he left with all of us."

Oberstar, for 12 years an aide to Blatnik, eulogized his mentor at a small gathering near the former congressman's Maryland home. About 60 people attended.

Blatnik was 80 when he died in his home early Tuesday of an apparent heart attack.

During his 28 years in Congress, the Chisolm native authored the legislation that opened the St. Lawrence Seaway, established the modern interstate highway system, and created the first clean air and water standards.

"He came to Washington with a set of principles, and he lived by them and he died by them," Oberstar said. "But they are part of us, because what he stood for and believed in is transmitted to those around him."

Blatnik, a Democrat, began his political career as a state senator in 1940. He served 3½ years in the Air Force during World War II, and entered the House in 1946.

The John A. Blatnik Bridge, linking Duluth and Superior, was named for the former congressman in honor of his work on the highway bill that created the span.

He was a major force behind legislation that established water quality laboratories and created some of the first checks against water pollution.

Oberstar called Blatnik "the cornerstone of today's environmentalism. He had a vision no one else saw."

Blatnik will be laid to rest Saturday morning in Chisolm.

OHIO STATE UNIVERSITY

† Prof. Kenneth Naylor, Jr. Passes

PROFESSOR OF SLAVIC LINQUISTICS

Kenneth E. Naylor, Jr., 55, Professor of Slavic Linguistics at The Ohio State University Department of Slavic and East European Languages and Literatures, died Tuesday, March 10 at his home in Columbus, Ohio after an extended illness. A specialist in Balkan and Slavic linguistics, he was also an acknowledged experts on the culture, politics, and literatures of the Balkans. He wrote close to 100 scholarly articles, most of which dealt with the Serbo-Croatian, Bulgarian and Macedonian languages. In 1989 Professor Naylor became the only Black American to receive from the Presidency of the Republic of Yugoslavia the rarely awarded "Order of the Yugoslav Flag with Golden Wreath" for distinguished contributions to the study of the Serbo-Croatian language, the Yugoslav literatures and the development of cultural ties between Yugoslavia and the United States.

In June of 1990 at the request of U.S. Representative Helen Delich Bentley, R-MD, he testified as an expert witness before the Foreign Affairs Committee of the U.S. House of Representatives on ethnic rivalries in Yugoslavia and the development of the Serbo-Croatian language. Indicative of the depth of the disputes between Serbs and Croats both in Yugoslavia and in the United States, the hearing was convened at the insistence of Croatian-Americans who claimed the Serbo-Croatian broadcasts of "Voice of America" exhibited a bias towards the "Serbian" language. Professor Naylor stated that according to scentific linguistic analysis and in practice Serbo-Croatian is one language; its division into two separate languages, "Serbian" and "Croatian," is a political designation, as there are no greater differences between them than in the English spoken in Toronto, Canada and Columbus, Ohio.

Born February 27, 1938 in Philadelphia, Pa., Professor Naylor received his bachelor's degree in French linguistics from Cornell University in 1958, and his master's degree in general linguistics from Indiana University in 1960. He spent a year studying at the University of Novi Sad in Yugoslavia with the well-known linguist, Pavle Ivic, in 1962. He returned there twenty years later as a guest professor at Novi Sad's Institute for South Slavic Languages. He attended the University of Chicago, studying with Dr. Edward Stankiewicz, and received his doctorate in Russian and South Slavic linguistics in 1966. Dr. Naylor was an assistant professor at the University of Pittsburgh 1964-66. Shortly thereafter, he began teaching Slavic linguistics at The Ohio State University.

During his career Dr. Naylor was the recipient of numerous honors, awards and grants. In 1984 he was awarded the Jubilee Medal "1300 Years of Bulgaria" for his contributions in the field of Bulgarian studies by the State Council of the People's Republic of Bulgaria in Sofia. He received research grants from the U.S. Department of State, the American Philosophical Society, the Fulbright-Hays Center, the American Council for Learned Societies Joint Committee on Eastern Europe, and the National Endowment for the Humanities. Dr. Naylor edited numerous scholarly books and publications, and served as editor of the journals **Balkanistica, Folia Slavica** and **The American Bibliography of Slavic and Easter European Studies.** From 1978 on he was a reviewer for the U.S. Department of Education and the National Science Foundation. He was a member of and held executive positions in a number of professional organizations, including the American Association for the Advancement of Slavic Studies; the American Association of Teachers of Slavic and East European Languages; and the Modern Language Association.

Dr. Naylor is survived by two sisters, Myrtle L. Naylor and Constance Naylor, and a niece, Khia Naylor, all of Philadelphia.

Stanley Kamalich - passed away in his 92nd year. He was a charter member of our society and lived in Shoreham, NY where Tesla had built the Wardenclyffe Tower. He and his wife Oliva came from the Istrian coast of Yugoslavia many years ago.

Sava-Sam Vuynovich (Vujinovic) - of Esdondido, CA. passed away this summer. He was 80 years old and wrote many articles about Tesla during his lifetime.

Večnajat Pamjat to all of our deceased.

Four New Videotapes

1. **The Genius Who Lit the World,** Tesla: $19.95
2. **Belgrade, Ancient $ New,** 6,000 years of History $19.95
3. **Rudjer Boskovic** Scholar, scientist, mathematician, Astronomer, atomist. Tesla called him the father of the Theory of Relativity: $29.95- 1hour
4. **Kingdom of Montenegro** Mostly color - 1 hour $22Vintage film of 1903 period also! Narrator- William H. Terbo.

ANNIVERSARY OF NIKOLA TESLA'S DEATH

"POLITIKA"
Jan. 17, 1992

Dr. A.S. Marincic, Corresponding member Serbian Academy of Arts and Sciences, Dir. Tesla Museum in Belgrade

On orthodox Christmas forty-nine years ago, Thursday January 7, 1943, Nikola Tesla died alone in his room at Hotel New Yorker. At the moment of his death he was alone, according to the doctor's report, he died in his sleep. The day prior to his death he asked the chambermaid to put on the door of his apartment - "Please do not disturb." That is how they knew on January 8, that he passed away a day earlier. Immediately his good friend Kenneth Swezey and his nephew Dr. Sava Kosanovich were informed.

News of his death was soon all over the world with the report in the New York Times of January 8. A short biography of his life was printed with his great work and significant inventions. He had exactly 900 inventions among which were the induction motor and the Tesla transformer or coil as it is known by many. The story mentioned of his coming to the U.S. with only 4 cents in his pocket and begins to work in Edison's Laboratory and later struggles for independence and the forming of his own laboratory and his discovery of the polyphase system and basic ideas of the Radio about Tesla's origins, it stated that he was from Smiljan i Lika, boundary region of Austria-Hungary, that he was a son of a Greed Orthodox priest and a mother gifted with inventive ideas. It mentioned that he worked in various places in Europe before coming to America and that he never married. The Yugoslav information Center that was opened in 1942 announced on January 8, 1943 that "Nikola Tesla", father of Radio and modern transmission of electricity will have a State Funeral under the auspices of the Yugoslav Government in Exile. A Requiem will be held on January 12 at the Campbell Funeral Home on Madison Avenue and 81st Street in New York City.

REQUIEM AT ST. JOHN THE DIVINE CATHEDRAL

Requiem was held at the largest cathedral in New York, St. John the Divine on Tuesday, January 12 in the afternoon. There were 2,000 people at the funeral among whom were famous inventors, Nobel laureates, leaders in electrical industries, the Yugoslav Government and many from various disciplines of science and technology.

The City of New York was represented by Mr. Newbold Morris in the name of the Mayor Fiorello LaGuardia. Dr. Ernest Alexander represented the Electrical Institute of Engineering along with Edwin H. Armstrong, Professor at Columbia University and father of Frequency Modulation (FM), Dr. Harvey Rentachler, Director of Research at Westinghouse Corp, and representatives of scientific research labs, Col. Henry Breckenridge, George Skouris, Thomas Lamont, Prof. William H. Barton, Curator of Hayden Planetarium, Dr. H.W. Chase and others.

Yugoslavia was publicly represented by Konstantin Fotich, Honorary pallbearers were Dr. Ivan Subasic, Governor of Croatia; Bogoljub Jeftich, previous Prime Minister of Yugoslavia and Franc Znoj, Minister Plenipotentiary. Dr. Branko Cubrilovich and Sava Kosanovich, who was at the same time President of Eastern and Middle Eastern Committee for Planning which was included by Yugoslavia, Czechoslovakia, Poland and the Greek Government. The New York Consulate was represented by Dragisa Stanojevich. Among the Honorary pallbearers were Oskar Gavrilovich, Chief of the Press Bureau and Bogdan Radica of the Yugoslav Information Center. Many Yugoslav sailors were present whose ship had docked at the Port of New York. At the Altar, members of the Sokoli Organization, a youth group and Captain Dinko Puljevich with the flag of the Monarchy of Yugoslavia. Among the wreaths were one from King Peter II, Government, Federation of Yugoslav Sokoli and American Scientific Institutions. In the receiving line for the family was Dr. Sava Kosanovich, minister in Government in Exile.

The Orthodox services were conducted by Very Rev. Dusan Sukletovich and was assisted by Very Rev. Milan Mrvicin from Lebanon, PA. At the completion of the Requiem, Rev. Edward West read the Episcopalian liturgy. At the end with organ accompaniment, Bishop W.T. Manning, head of the Protestant-Episcopal Diocese of New York gave the final benediction to the deceased one.

Activities, Events, Etc....

☆ **Dr. Rastko C. Maglic**, Director of Tesla Memorial Society and a member of the International Tesla Society of colorado Springs, CO. Wrote a paper with Nicholas Kosanovich about the phenomena of Resonance for the 1992 Summer Symposium at Colorado Springs. it will be part of an anthology to be published by Int. Tesla Society.

☆ **"EXPO 92"** in Seville, Spain, a World's Fair dedicated to the 500th anniversary of the discovery of America has many nations participating.

☆ The Yugoslav Pavilion is centered around Nikola Tesla. The theme being the "Age of Discovery".

His famous Columbian egg is on exhibit along with many of his devices. The newspaper "Politika" also states that Pupin and his contribution to telephony and Milutin Milankovich who is noted for the geologic "Milankovich Cycle".

☆ We sent a letter to Mayor David N. Dinkins about putting a statue of Nikola Tesla in Bryant Park. This is near the N.Y. Public Library where Tesla would feed the pigeons daily. We received a reply that is being considered. it has been proposed that the bust made by the Ivan Mestrovic be used. His son, Dr. Matthew Mestrovich, gives his approval. Please write to:

Hon. David N. Dinkens,
Mayor, New York City
City Hall
New York, NY

☆ The chamber group - **Washington Pro Musica** performed at the Christmas concert for sick children at the National Institute of Health in Bethesda, MD. The funding was by the embassy of Kuwait. Philip Momchilovich, Director, is also our Director of Performing Arts. Our society was the umbrella group to sponsor said concert. It took place on Dec. 2, 1991.

☆ "Washington Pro Musica outreach activities throughout the Washington D.C. community to further knowledge and appreciation of great traditional and modern chamber works through educational workshops in schools and churches, as well as performances for other special audiences including minorities, the aged, handicapped and the serious ill."

As is known, Tesla was a lover of music.

☆ **New York Daily News** - Gray Basnight wrote a piece about Tesla in the Urban Gazette section of the paper Wednesday, July 1992 to pay tribute to Tesla on his birthday.

The by-line, "Who? Forget Him - it was our Tesla all along". He was referring to Marconi and the invention of Radio. Another by-line "His Dream: The Final Nightmare of Power Companies Everywhere". This is with reference to his project on Long Island to transmit energy and/or power at great distance without wires".

It was a 3/4 page article dedicated to him!

☆ **There is renewed interest in what Tesla felt** about energy transmission in a more concrete sense.

☆ Studies are being made to study the Earth's natural resonance and to tie this with transfer of energy through resonance. Most of us know about the police precinct in Tesla's neighborhood mentioning the earth shaking as a result of one of his experiments!! I would like to quote an excerpt from his lecture delivered before the Franklin Institute in Philadelphia, Feb. 1893

. . . . "I would like to say a few words on a subject which constantly fill my thoughts, and which concerns the welfare of all. I mean the transmission of intelligible signals or, perhaps power, to any distance without the use of wires . . . .

Why not try to avail ourselves of using the Earth instead of that single wire which is now feasible. Theoretically, it could not require a great amount of energy to produce a disturbance at great distance, or even all over the surface of the globe . . . . I am firmly convinced that it can be done, and hope that we shall live to see it done"

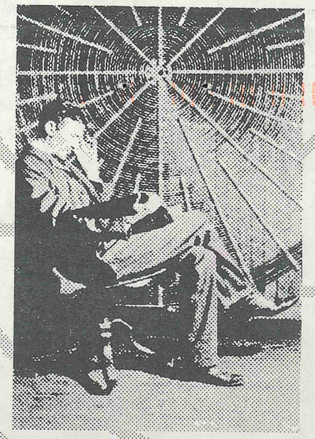
- Light and Other High-Frequency Phenomena

. . . . I have produced electrical charges, the actual path of which, from end to end, was probably more than one hundred long.

IN MEMORIAM

DR. STELLA YAKSICH - *Board Member*
DR. NIKOLA PRIBIC, *Prof. Emeritus, - Board Member*
LT. CHARLES BOJANIC - *Board Member*
RAKILA KACHANSKY - *Friend of the Society*

Memorial service commemorating the 50th anniversary of the State Funeral of Nikola Tesla held at the (Episcopal) Cathedral of St. John the Divine in Manhattan at 4:00p.m. on January 12, 1943.
The memorial program is to take place at the "crossing" location of the cathedral proper on Saturday afternoon, January 16, 1993.



Tesla Memorial Society, Inc.
453 Martin Road
Buffalo, New York 14218

Dr. E.E. Taylor
245 N. Oakland Ave.
Indianapolis, IN 46201
dues pd: 1991/92

Dues Status

Tesla Memorial Society Inc.

N E W S L E T T E R

Founded 1979

Winter 1993 | Editors- Nicholas Kosanovich & Henry Jesionka | $1./Free to Members

NEWS

Resurrected Tesla Research

Stanford University and a few other Universities with linear accelerators have been taking them out of mothballs recently. The reason is that Tesla's work on particle beams in the late 1930's and early 1940's has just been de-classified by the U.S. government. Some readers might recall the mystery surrounding many of Tesla's papers at the time of his death which went missing and were rumored to have been archived by various Defense interests of the U.S. government.
A particle beam is created when electrons are accelerated into an electromagnetic field in close proximity to a permanent magnetic field. A particle beam is regenerated when the magnetic fields are disturbed by the intrusion of the bombarding electrons. The new beam contains a trillion watts of power. One of the unexpected characteristics of this process that the researchers discovered during the tests were time-domain anomalies. What was really interesting is that some of the reactions seemed to take place just before the electron hit its target. It was though a hole appeared in a target before the trigger was pulled!!

Prof. Boeck of Niagara University has teamed with NASA to study Lightning as a key to rainfall. Dr. Boeck is helping to lay some of the ground work for NASA's Earth Orbiting System (EOS), a series of satellites which will monitor global climatic changes over a 15-year period. The collected data will be used to chart worldwide rainfall patterns. Dr. Boeck feels that it may be possible, for example, to make rainfall estimates in remote regions of the globe by studying lightning from space. Having studied the electrical fields generated by thunderstorms for many years, Dr. Boeck says it is now interesting to study it from the other side, namely, from above.

Big Sparks Create Glowing porous Silicon

A century-old device used to demonstrate sparking has helped shed new light on the mechanism of photoluminescence in porous silicon. Physicists used to use acid to make silicon porous, but now, Rolf. Hummel and Sung-Sik Chang of the University of Florida in Gainesville use a Tesla coil and generate sparks between the wafers for several hours. The porous wafers then jemit red light when subjected to a laser. The researchers attribute the glow to a quantum confinement effect.

Congratulations !!

Dr. Ljubo Vujovic, M.D., Gen. Sec. TMS, and Nicholas Kosanovich have been given Medals of Achievement for their work about Nikola Tesla, by the Serbian Academy of Arts & Sciences and the Tesla Museum in Belgrade, Yugoslavia.

Dan Marvosh on receiving an accolade from Senator John Glenn referring to his new Double Clock System

NEW MEMBERS

Paul N. Tricker of Devon England

Bruno Degazio of Toronto, Ontario (see article under Media)

MEDIA

The Music of the Media Performance —-"NT: The Man Who Invented the Twentieth Century"

A Media Performance by Henry Jesionka
Music by Bruno Degazio



The music of the performance was composed using modernized versions of algorithmic techniques developed b a little-remembered early twentieth century Russian-American music theorist, Joseph Schillinger, and is related in a particular and peculiar way to Tesla's most important ideas. Fundamental to these techniques are a geometrical world view dating back to Pythagoras and the use of phase relationships as creators of energy (physical in the case of Tesla's generators, aesthetic in the case of Schillinger's interference patterns). His techniques have been brought up to date by their amalgamation with recursive and chaotic processes ("fractals") in the music of "NT...." Many of the specific movements as well as the overall rhythmic structure is controlled by the phase relationships employed in Tesla's original polyphase motor, and developed according to Schillinger's ideas of phase and pattern. Tesla's position in the long line of geometrical idealists beginning with Pythagoras is demonstrated through the use of the same harmonic relationships described by Pythagoras (and consistently employed as one of the underpinnings of Western theories of music for the last 2600 years). This heritage of geometrical idealism is brought up to date through the use of compositional techniques derived from chaos theory and fractal geometry. Tesla's obsession with automata and robots is finding its modern fulfillment in these intelligent, computer-based processes. Unknown to most people, however, is the fact that many of these processes were anticipated by Joseph Schillinger, one of the strangest and most interesting musical figures the twentieth century has produced. Schillinger and Tesla were remarkably similar in many ways; both were obsessively concerned with a cataloging and the rationalization of human experience, culminating in an almost pathological reduction to mechanisms of behaviour; both were immensely influential and acquired (or attempted to promote) a Promethean view of themselves while alive (Tesla's promise of free power and information through the magnifying transmitter as his gift to mankind, Schillinger's "scientification" of music as the salvation of art); both saw technology as a positive creative force working for the good of mankind and eagerly anticipated its future development; both were enthusiastic immigrants to America (Tesla from Yugoslavia, Schillinger from Russia) and embraced the life of the New World wholeheartedly; both were individual to the point of eccentricity in their personal habits; both suffered a bizarre (in view of their previous influence) and almost total eclipse after death. They died within a few years of one another, both in New York City where they had spent the greatest part of their creative lives. Tesla and Schillinger, their influence on the course of events in this century has been deep and universal but strangely unacknowledged.

For a cassette copy of the music (sixty minutes) for the Media Performance "NT: The Man Who Invented the Twentieth Century" send your request and $12.50 to the Tesla Memorial Society.

New Vujovic Production

After the recent success of the video "Nikola Tesla: The Genius Who Lit the World", the maker: Dr. Ljubo Vujovic, is embarking on another project, this time a documentary videotape on the life of Michael I. Pupin. also, Dr. R.C. Maglic is the President of the newly formed Pupin Foundation. For further information write: Pupin Foundation 3010 Springmeadow, Colorado Springs 80906

Historical Research Project

Aaron H. Hoffman, a history student at Indiana University at South Bend encountered Nikola Tesla while studying turn of the century immigrants. His new interest garnered him a National Endowment for the Humanities grant which will be used to research Tesla's alienation from mainstream America and the cultural context that fostered this alienation.
The following are excerpts from a letter Mr. Hoffman wrote to the Tesla Memorial Society outlining his project:

There are numerous reasons for Tesla's failure to find acceptance in the American public. Certainly, his controversial ideas brought hordes of detractors—unfounded rumors even circulated that Tesla dealt in the occult. The fact that Tesla was a Serb aroused fear in xenophobic Americans. Tesla's home, Yugoslavia, was obscure and rather sinister in the American imagination. Part of the "new immigration", he was seen as a threat to Anglo-American culture. Perhaps, Tesla's rejection of American values augmented public fears—especially his disinterest in extracting financial advantage from his work, unlike the savvy businessman Edison.
Tesla also thought and presented ideas in what Americans thought was a particularly foreign way. Practical and empirical, America celebrated inventors who were straightforward and easy to understand. In contrast, Tesla worked from grand, theoretical ideas that the American public found nebulous and frightening. His dramatic often sensational presentation methods heightened these fears. He further shook the public and his peers by changing, or attempting to change, American society with his inventions. the long debate over alternating current, exemplifies the resistance Tesla met.

Hoffman concludes: Exploring Tesla's alienation from mainstream America may serve not only to understand the man, but to gain a valuable new perspective on a very important time in America.

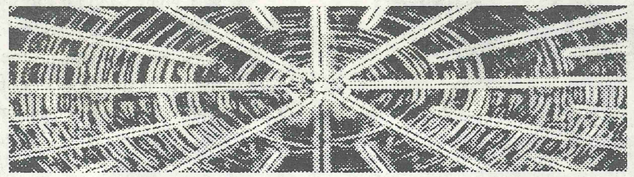
RECENT ARTICLES

Fall 1992 issue of the American Heritage of Invention & Technology

In the Letters section of the magazine, John W. Wagner lauds a recently released book by Curt Wohleber titled The Work of the World released in the Winter of 1992. The Tesla Memorial Society will attempt to make this available to its members.

Nikola Tesla & John Muir: Ecologists
An essay by Marc Seifer

John Muir is known in the United States as one of the most important conservationists. A long time friend of Nikola Tesla, Muir another naturalist began his career as an inventor. Seifer traces many parallels between the two men and grounds Tesla's inventions to his naturalist bent, which also accounted for the extreme efficiency of his devices and systems which were in harmony with natural processes. Both men devoted their lives to preserving natural resources; one accomplished this by slipping away from society and revealing "the eternal song of creation" in his prose; whereas the other did it by trying to invent economical technologies while living in the heart of civilization.



THE FOLLOWING BOOKS, VIDEOTAPES AND LITERATURE ARE FOR SALE:

BOOKS

1.	Tesla: Man Out Of Time - Margaret Cheney (paperback)	$ 5.00
2.	My Inventions - Tesla Autobiography - Young Man	$ 8.95
3.	Prodigal Genius, J. O'Neill (paperback)	$ 8.95
4.	Catalog of Tesla Patents, bi-lingual — English & S/C	$ 4.00
5.	Life & Work of a Genius, Tesla Museum (paperback)	$ 4.00
6.	Colorado Springs Notes (leather-bound)	$80.00
7.	Tribute to Tesla (cloth)	$75.00
8.	Correspondence with Relatives - Tesla (in Serbian)	$24.95
9.	Novel by Milorad Pavic: Unutrasnja Strana Vetra	$24.95

VIDEOTAPES

10.	Tesla: The Genius Who Lit the World	$19.95
11.	Michael Pupin Remembers (color)	$21.95
12.	Rudjer Boskovic - Father of Theory of Relativity (120 minutes)	$24.95
13.	Belgrade, Ancient & New	$19.95
14.	Kingdom of Montenegro (color 1 hour, vintage film)	$22.95
	ANAL, IV INTERNATIONAL TESLA SYMPOSIUM 135th Anniversary of Tesla's Birth, Belgrade, September 23-24, 1991	$25.00
15.	Photos: Tesla at 28, Tesla at 78, Wardenclyffe Tower Tesla in Lab; Facade of Elect. Building, Tesla in Colorado Springs	$ 1.50 each

HISTORY - CHARLOTTE MUZAR

She donated all of her archival material to the Tesla Memorial Society, Inc. Charlotte is living history with respect to our benefactor Nikola Tesla. As the secretary of Sava Kosanovic, Tesla's nephew, she had been at the warehouse when they were to take the Tesla documents to send to Belgrade. She also took the ashes of Nikola Tesla after his cremation to Belgrade to be put on display at the Tesla Museum.

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Buffalo, NY 14218

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— IN MEMORIAM —

The following chapter members of our Society who have left us . . .

Joseph Bella - Sec. Croatan Fraternal Union
John A. Blatnik - US Congress, retired
Charles J. Bojanic, P.A. Heritage Commission,
Rakila Kachansky - retired, TMS benefactor-
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Samuel Gjurich - Transmission Supervisor, Department of Education, University of Maine
Chedo P. Graham - Retired Engineering Graduate, Illinois Institute of Technology - Donated an original letter written by Tesla to M. Duchich, President of Cloverleaf Dairy, Gary, Indiana.
Carlos J. Canggiano, Attorney in Puerto Rico, TMS Correspondent for the Caribbean area.
Nicholas D. Korach - Assistant Superintendent of Schools, Lackawanna, NY
Mr. Nicholas D. McKay, Sr. - benefactor, donated $2,000

REMINDER — DUES ARE DUE

— EVENTS AND NEWS —

HARRY GOLDMAN OF TCBA

Tesla Coil Builders' Association showed a photo of Tesla and in his Newsletter on the 100th Anniversary of Tesla's Birth in 1956 at the TESLA DAY observance in Chicago, Illinois, Mayor Richard Daly and the IEEE co-sponsored the NIKOLA TESLA DAY. The Tesla Society at the time sponsored the event. Leland I. Anderson was the President.

TESLA CONFERENCE

The International Society, Inc. is holding a parallel conference on Nikola Tesla with the support of the Tesla Memorial Society, Inc. ***It is from July 21 to July 24. Address is:***
220 E. Bijou Street
Colorado Springs, CO 80909

HISTORIC EVENT BRYANT PARK

The Mayor of New York City pronounced the corner of 6th Avenue and 40th Street NIKOLA TESLA CORNER. William H. Terbo and TMS Director Anton Angelich spoke at the dedication. NOTE: When you visit New York, go see the sign at Bryant Park.

AN OPEN LETTER from DR. R.E. DOLLINGER, Chairman Science Committee, TMS, Inc.

It is indeed possible that Nikola Tesla investigated X-rays quite early. He was strongly interested in "wireless" transmission "without wires", capacative coupling and Hertzian radio waves. It is amazing that the colloquial use of the term "wireless" today includes only radio waves and hence ignores the other three forms of wireless. Yes, Tesla did do Radio wireless work, but, he was far more interested in Plasma wireless. See for instance his Colorado Springs high voltages to accelerate the electrons in the tube that the electron attain free volitities unhindered by the background drag of the molecular pressure in the tube. These free velocity electronics created strong, copious X-rays, but nonetheless it does make him famous as the Father of Fluorescent lights and neon lights, but also, gives him early historical credit for X-rays and application. Just what you would expect from a true Genius.

Sincerely,
Dr. Richard E. Dollinger, Ch. Science Committee
Tesla Memorial Society and Assoc. Prof. SUNYAB

SAVE THE WARDENCLYFFE PROPERTY PROJECT

Appeal by Leland I. Anderson: The power plant and office building of TESLA'S WARDENCLYFEE TOWER may be destroyed. Famed architect Stanford White designed the building and Dr. Margaret Conover, the director of a newly established Science Museum at Shoreham, is anxious that the historic site be preserved. Her address is:

Science Museum
Route 25A
Shoreham, NY 11786
(516) 821-8155

Peerless Photo purchased the property in the 1950's. The land became contaminated and now they are to destroy the buildings, etc. Peerless is a division of Miles, Inc. which is also the parent of AGFA film. Headquarters for Miles, Inc. (Subsidiary of Bayer AG) is:

One Mellon Bank Center
Suite 5300
Pittsburgh, PA 15219

PLEASE WRITE TO THEM AND ALSO TO DR. CONOVER TO HELP MAKE IT A HISTORIC LANDMARK.

DON'T FORGET YOUR DUES

Under the directorship and the physics department of Columbia University, a video tape of Michael I. Puin was made and being sold by our Society. The premiere showing was at Pupin Laboratories and Nobel Laureates was present. It sells for $21.95.

SOME LESS KNOWN FACTS DISCOVERED IN THE ARCHIVES OF NIKOLA TESLA MUSEUM IN BELGRADE

Dr. Branka Jovanovic, Chairman of the Yugoslav Chapter of MTT of the IEEE has organized a meeting devoted to TESLA. It was in remembrance of the 50th anniversary of his death. It took place at the Tesla Museum in Belgrade and the lecture was by Dr. A.S. Marincic, Director of the Museum.

Soon after Nikola Tesla finished his main research in the field of low frequency alternating currents, somewhere around 1890, he intensified investigations into higher frequency alternating currents. In his famous lecture before the AIEE (American Institute of Electronic Engineers) in 1891 at Columbia College and even much more in his next lecture in 1892 in London and repeated in Paris, Tesla disclosed his research in the field on high frequency and high potential AC. In a series of attractive experiments, he explained the behaviors of high frequency currents and their possible use in electrical lighting because it is more economical and produces more natural light than the light of an incandescent lamp. Tesla's coil appeared for the first time...the resonant transformer in combination with a spark gap, acting as the high frequency, high voltage generator. This apparatus became part of every physics laboratory, and is a common item even today...In February 1893, Tesla delivered a lecture "on light and other high frequency phenomena" before the Franklin Institute in Philadelphia, and before the National Electric Light Association in St. Louis in March. This lecture is very important for the history of radio, especially because it has never been fully appreciated by many historians. One can find a partial explanation of why this was so in Tesla's lifestyle. He was, as a historian of radio wrote, an "inveterate romantic, always ready to identify what was with what should be"... His name was hardly mentioned after 1915. In 1943, Wheeler stated that Tesla "is entitled to either distinct priority or independent discovery of:

- The idea of inductive coupling between the driving and the working circuits.
- The importance of tuning both circuits, that is, the idea of an 'oscillation transformer'.
- The idea of a capacitance loaded open secondary circuit."

THE INTERNATIONAL SOCIETY CONFERENCE ON TESLA

July 21st to July 25th, a conference will be held at Colorado Springs about Tesla with a parallel participation of the Tesla Memorial Society, Inc. Telephone: (719) 475-0918

IEEE TESLA AWARD FOR 1994

Went to Carl Flick of Techno-Lexic in Winter Park, FL
Congratulations to Mr. Flick!

TESLA CORRESPONDENCE WITH RELATIVES

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Nikola Tesla to Pajo Mandic
Tesla's Uncle

The Gerlach Strictly Fireproof
Hotel, NY, October 20, 1893

Dear Uncle:

I received your letter of September 25 two or three days ago and I found time today to answer in a few words.

I was pleased that you left the service and decided on a peaceful life with your family. It was a good decision for you and it looks like there will be trouble out there and you are not a young man, even though, you feel young. I would be immeasurably happy if you come here to see the Chicago Exhibition. Petar advised you will because here was a large number of unsure roads and collisions on the railroads daily and financial panics that America has not seen until now. Now, everything looks better and improvement will continue. It will take two or three years for the wounds that plague industry and a belief back to normalcy. I have much to tell you. I lectured before a scientific congress on the advise of many acquaintances and showed the inventions that I am working on now. They are new steam and electrical machines which I anticipated to be successful. Also with my motors along with bankruptcy of a company here and a general financial weakness there was very little demand.

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and now they will be used more and more and the outlook looks good. If there is success here, then my inventions will be needed at the Exposition. IT LOOKS LIKE MACHINES OF MY SYSTEM WILL BE USED IN THE TRANSMISSION OF POWER FROM NIAGARA FALLS, I will be able to tell you shortly. In the main, it looks like many of my ideas will be utilized in this gigantic project. If it is successful, there will be enough money. I think then I could help my relatives. I have been acclaimed more than anyone in my discipline; that is what they tell me. I received awards after awards and that makes me push ahead. There are always ideas before my eyes. If I could develop one for practical use, the whole world will feel it. I am in good health; the worse is that there is no good wine here. I would gladly pay if I can get some in small bottles; large bottles are inconvenient, because I drink a little quality, more than quantity.

I am happy that all are well and that Simo is well. Give my warmest greetings to all and mention me to Uncle Pero, Uncle Vaso and the other relatives, especially your family.

Your Nephew, Nikola
P.S. Colonel Djuro Canic was here. He knows you.

I wish to announce that in connection with the commercial introduction of my inventions, I shall tender professional services in the general capacity of consulting electrician and engineer.

The near future, I expect with confidence, will be a witness of revolutionary departures in the production, transformation and transmission of energy, transportation, lighting, manufacture of chemical compounds, telegraphy, telephony and other arts and industries.

In my opinion, these advances are certain to follow from the universal adoption of high-potential and high-frequency currents and novel regenerative processes of refrigeration to very low temperatures.

Much of the old apparatus will have to be improved, and much of the new developed, and I believe that while furthering my own inventions, I shall be more helpful in this evolution by placing at the disposal of others the knowledge and experience I have gained.

Special attention will be given by me to the solution of problems requiring both expert information and inventive resource work coming within the sphere of my constant training and predilection.

I shall undertake the experimental investigation and perfection of ideas, methods and appliances, the devising of useful expedients and, in particular, the design and construction of machinery for the attainment of desired results.

Any task submitted to and accepted by me, will be carried out thoroughly and conscientiously.

Nikola Tesla