## John G. Trump

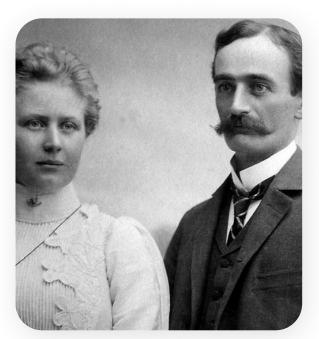
THE LIFE AND WORK OF JOHN G. TRUMP



8.21.1907 - 2.21.1985

## **Personal Life**

#### **Personal Life**



Mother and Father: Elizabeth Christ and Frederick Trump

- John George Trump, uncle to President Donald Trump, was born in New York City, NY on August
   21, 1907 to Frederick Trump and Elizabeth Christ Trump
- Youngest of three (3) children and the second son. Siblings are Fred and Elizabeth
- In his teens, he and his brother, Fred, worked together in real estate development and management at Elizabeth Trump & Son with their mother

#### Personal Life

A CONTRACTOR OF THE PARTY OF TH	
to Bear to the South South 1880 - the is to put the first Cather and to compare the form of the south of the	to Bow in the Solden 1850 - you who got hop of house to be got to be got the sold to be a sold t
so they are solven took of him A world to the world him to be a long to the solvent of him to be designed as a solvent or to the solvent one to th	to the to make the description of the property of the party of the par
\$1. Shor rate First 2 ion is to complete Prot payline betways in first in boson on a 10 feb. 10 to distribute in discount "Les Table" is to distribute in discount "Les Table" in the distribute in discount "Les Table" in the di	To third him time 2 has to be compared their positive belowing to farmed them the \$L. laglade \$1.00 as to these tight to theses \$L. laglade \$1.00 as to these tight to these \$L. laglade \$1.00 as to the \$1.00 as
2). Does no letter Deal also also also be controlled a control to a companion of the controlled and the cont	to the see to be I of the I fill - and a beginn the fight has been and the med in surprise them as a training of the myself have now a beginning to the myself have now a beginning to the fill fill fill fill fill fill fill fil
to their to seem timb , desports bother to be a seem of the seem of the seem of the seems of the	and the same and file is the same of the first the same of the sam
En State Inde State of his to an analysis on States parties States are a state of the analysis on the parties of the analysis	En diner sine finise di sai te rea comprisere flore papitine benempa se (initiale discrete ese 2) Juliule. ISSA is se literaturate su florent. A self-Ref. Suprept 1998.  Limited for florent.  Comp.
27 Don 10/2 July now 1857 — that have per displays X-mathet but he singulates there are a flagment to Indigen. — Like Andrews.	to the se set to be a man a top of the set o
to the to play 200 found follow good to go we find the to the good by	in the writing the liberty liberty and the property of the property of the state of the property of the
Do their tale finds of his to its computions floor public following to Collect floors on A. J. M. So. Art. is at I finds finds to themse h. Art. of the Collect finds to their his floors.  Described in Green.	En these time then it has to be an exception flow applies belonging to Collection them one of Article 1997 is to these rights or down a facilities? suggests the Secretary to the Secretary to the Secretary time.
20 Don to 1 th distribution (MSO	14 Days on 12 " Holden 1880 start is a year to gap of historiant and an assument there as a tempora as between field the temporary, again, make, and a second to the secon
to the in step too Tick it the 2 at left & 2 of the	to the to the total fill the state of the total the state of the state
On Mari Male Dies of the series assignment their parties the purpose of distinct from one as for Fold Lands (1967), is at their digits on the color of Lands (1967), in all their digits on the color of Lands (1967), but the Color of Lands (1967), bu	The former hand from it has no non-management flower applicate Reducinging will Collecte Describe to the Advisor (Part) on an informating the information of the Advisor (Part) on an informating the discount of the Advisor (Part) on the Advisor (Part) on the Advisor (Part) on the Advisor (Part) on the Advisor (Part) of the Adviso
/	

	NEW YORK. OF HEALTH. STATE OF CERTIFICATE AND The Training	RECORD	The same of the sa	No. of Certificate,
Sex	male	Father's Occupation	Burker	
Celor	white BUREAUCH	Morber Name	Elizabett	Thump
Date of Eirth	august 2 20907	Mother's Name Defore Matrian	Christ	
es of Birth,	830 Jackson ave	Mother's Residence	830 Jack	en luc
Father's Natur	Frederick Trump	Mother's Birthplace	Genna	7
Pather's leadence	830 Juckson and	Mother's Age	27 yes	
Pather's Erthplace	Germany	Number of previous Children	turo 6	0
Patter's Age	387.	How many now living (in all)	thru (	3
ame and ad making t	dress of person   Signature,	1=	Haa,	red
	Residence,	9	98 min	ane
ATE OF RE	FORT,190			

Baptism record and Birth Certificate

#### **Personal Life**



Elora Gordon Sauerbrun

- 1935: John married Elora Gordon Sauerbrun (who also went to Polytechnic Institute) in Queens, NY
- They had three (3) children: John Gordon Trump (1938-2012), Christine Philip (1942-2021), Karen Ingraham (1948-present)
- Their engagement and wedding announcements made several newspapers

## **Education**

#### Education



Columbia University 1910

- Trump left the family real estate business to pursue his career in electrical engineering
- 1929: He received his bachelor's degree in electrical engineering from the Polytechnic Institute of Brooklyn (presently named the New York University Tandon School of Engineering)
- 1931: Received his PhD at Columbia University
- 1933: Received his doctorate from MIT (Massachusetts Institute of Technology)



- When Trump was an undergraduate, he represented Polytechnic Institute at the fourth annual convention of the National Student Federation of America
- He was also the vice president of his 1929 class and was involved in the clay pipe-breaking and ivy-dedicating ceremony, where Trump dedicated his ivy plant to the new Polytechnic building
- Despite his vigorous studies, Trump still found the time for extracurricular activities, such as when he played a reporter in the play, "Copy", while attending Polytech and was described as having an "unusually versatile acting ability".

**Education** 



• From a young age, JGT demonstrated significant excellency in his work starting with his academics, where he was awarded Valedictorian for the class of 1929 amongst receiving the Mermaid Club Award and the Green Memorial Contest Medal

#### **Education**



• In 1929, John Trump, described as a "prize-winning student", was awarded the opportunity to join the faculty at the Polytechnic Institute as an instructor for the electrical engineering department for the following school year.



- Dr. John Trump is most notably recognized for his innovative work in rotational radiation therapy and positive effects of treating cancerous tumors without damaging the surrounding tissue
- 1933: JGT joined the General Electric Company
- 1936: Returned to MIT as a professor and worked there until 1973 while continuing his research
- Together with Robert J. Van de Graaff, they developed numerous, news-worthy inventions and dedicated their lives to their work
- 1946-1980: Directed the MIT High Voltage Research Laboratory



1939: John Trump with a generator

- During his early years at MIT, he and Professor Robert J. Van de Graaff focused on the study of voltage insulation properties of high vacuum and compressed gas as well as eselectron acceleration and the interaction of radiation with living and non-living matter
- JGT and Van de Graaff designed one of the first million volt X-ray generators used in cancer therapy
- Some research concentrated on treating wastewater

#### **Careers**

## Sludge is converted to additive for soil

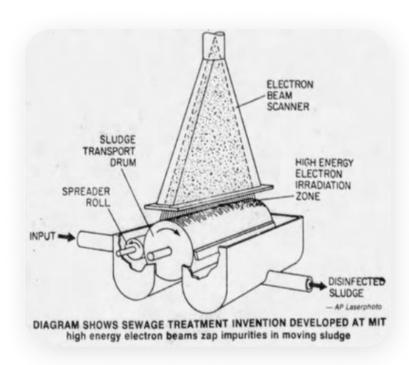
CAMBRIDGE, Mass. (AP) — Scientists have found a way to convert sewage sludge — a major urban pollution problem — into a valuable soil additive by zapping it with electron beams to get rid of impurities.

The Deer Island plant now pumps its sludge into the ocean, but is under federal orders to stop that process.

Trump said disinfected sludge can be injected into the ground to build the soil. After it has had time to compose

- After World War II, Trump stayed employed at MIT while also working with the Department of Radiology at the Lahey Clinic in Boston, where he later became Chairman of the Board and Technical Director.
- 1973: Retired from MIT but continued on as a professor emeritus and remained a senior lecturer until 1980
- Trump continued to study the application of the use of a high-voltage accelerator in treating
  wastewater due to his concern about the contamination of untreated sewage being dumped into
  harbors and waterways

John G. Trump



- From his wastewater research, Dr. Trump's calculations demonstrated that a 2-Mev electron radiation system was successful as a deactivating agent as the treatment for sterilizing wastewater sludge. Additional advantages included destroying viruses and bacterial and viral disinfection.
- 1976: As a result of his findings, Trump and his business associates, with the support of the National Science Foundation, built the first sludge-sanitizing system for the plant on Deer Island, MA

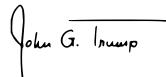
# World War 2 Operations

SERIAL NUMBER   1, 1	NAME (Print)		ORDER NUMBER
1698 J	ohn C	George Trum	ip 907
2. Address (Print)	(Pirst)	(Middle) (Last)	-
18 Cres	scent Rd.	Belmont 1	Aiddlesex Ma.
3. TELEPHONE	4. Age in Years 33	5. PLACE OF BIRTH	6. COUNTRY OF CITIZENSHIP
Bel. 0530 - M	DATE OF BIRTH  Aug. 21-190	7 Y. Y. Gate or country) (State or country)	U.S.A.
the state of the s	WILL ALWAYS KNOW YOUR A		8. RELATIONSHIP OF THAT
Mr. Mrs., Miss)	Elora (First)	9. Trump	PERSON. W/Fc
. ADDRESS OF THAT PERSO	ON	(Last)	
		- 1 . Ad	111 111
(Number and street	t or R. F. D. number)		ddlesex Vlass
10. EMPLOYER'S NAME	t or R. F. D. number)	(Town) (Co	dd/esex //ess
(Number and street	Inst. of OR BUSINESS	Technology	unty) (State)
(Number and stree)  0. EMPLOYER'S NAME  C S S  1. PLACE OF EMPLOYMENT  (Number and stree)	Inst. of OR BUSINESS Cam to R. F. D. number)	Technology bridge Mic	adlesex Ma.
(Number and stree) (10. EMPLOYER'S NAME  A S S  11. PLACE OF EMPLOYMENT  (Number and stree)	Inst. of OR BUSINESS Cam	Technology bridge Mic	adlesex Ma.
(Number and stree) (10. EMPLOYER'S NAME  A S S  11. PLACE OF EMPLOYMENT  (Number and stree)	Inst. of OR BUSINESS Cam to R. F. D. number)	Technology bridge Mic	adlesex Ma



President Harry S. Truman with Dr. Karl Compton and members of the NDRC

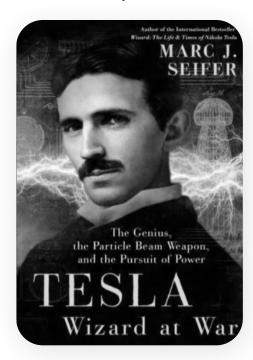
- During WWII, Dr. Trump focused his attention on projects to aide in the war
- 1940: joined the National Defense Research Committee (NDRC) as a technical aide to Dr. Karl Compton, President of MIT and Chairman of the Radar Division of the NDRC
- 1942: Trump became the Secretary of the Microwave Committee of the NDRC





M.IT. Campus

- Served as a liaison from the NDRC to the "Rad Lab" (MIT Radiation Laboratory) created by the "millionaire physicist" Alfred Lee Loomis where they created groundbreaking advances in developing practical devices and systems, which were widely used in field deployment in combat
- While in the NDRC, Trump also served as a member of the Steering Committee which was located on the MIT campus, Division 14 (radar division). He also served as the Head of the Radiation Laboratory's Division 12 Service Team



- 1943: Nikola Tesla passes away in his hotel room, Manhattan, NY. Assets/research were seized by the Office of Alien Property Custodian due to fear he was developing a "death ray"
- Trump was brought in by the Federal Bureau of Investigation (FBI) due to his reputation as a brilliant MIT scientist
- He was asked to analyze Tesla's documents that were being held in government custody. After a three-day investigation of all assets, Trump concluded that there was nothing hazardous; he then returned to his wartime activities

**WW2 Operations** 



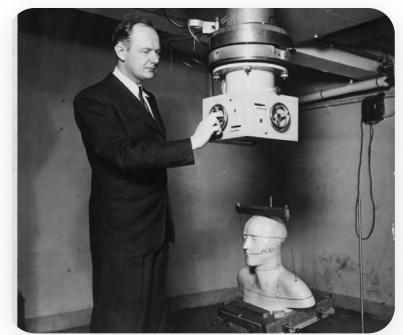
- 1944: United States decided to coordinate their efforts with the British. Trump was appointed director of the department known as the British Branch of the Radiation Laboratory (BBRL) due to his influence in the development of radar and short-wave equipment until end of war, 1945
- BBRL operated as a department of Britain's Telecommunications Research Establishment (TRE) at Malvern in Worcestershire. During this period, Trump was a member of General C. A. Spaatz' Advisory Specialist Group on Radar. He was also the assistant director in charge of Field Service for MIT's Radiation Lab.



- Dr. Trump was given the responsibility of working directly with the Eisenhower Military Command
- Rode into Paris with General Eisenhower at the liberation of Paris. Began to set up another branch of the Radiation Lab
- Trump was later recognized by both the US and the UK for his partnership and performance during the war
- 1947: Awarded The King's Medal for Service in the Cause of Freedom (KMS) by King George VI
- 1948: Awarded The President's Certificate of Merit presented by Harry S. Truman

## **Atom Smashing**

## **Notable Accomplishments**



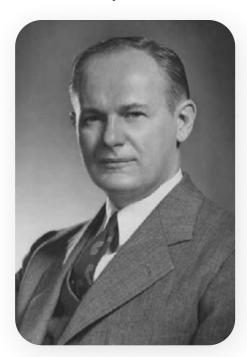
Trump in 1949 with a high voltage X-ray generator

- JGT and Van de Graaff developed one of the first million-volt X-ray generators used in cancer therapy:
  - provided additional years of life to cancer patients
  - initially used for clinical purposes in 1937 at the Collis P. Huntington Memorial Hospital in Boston, MA
  - In 1939, JGT and Carlton Lutts, a Boston Navy Yard engineer, discovered that it could also produce a radiographic image of thick steel in 100 seconds vs. the 65 hours that it took using radium. This discovery became instrumental to the US shipbuilding and aircraft construction during WWII



Left to Right: Van de Graaff, Robinson, Trump at HVEC

- Best known for his direction in the development of rotational radiation therapy
- Responsible for conceiving and developing the use of high-energy electrons for use in the treatment of superficial skin lesions
- 1946: Dr. Trump resumed his work of his previous high-voltage research along with Van de Graaff and Denis M. Robinson. Together they initiated the High Voltage Engineering Corporation (HVEC) to manufacture Van de Graaff generators for use in nuclear research, industrial processing, radiography, and medicine.



- His work at MIT led to a cooperative 25-year research expedition with the Lahey Clinic
- 1946-1980: Under the direction of Dr. Trump and the supervision of him, his staff, and the Lahey Clinic physicians, more than 10,000 patients were treated in the treatment facility in the MIT High Voltage Lab
- Trump authored approximately 80 scientific publications in the field of electrical engineering and radiology during his many years at MIT



- Trump was a fellow of the American Physical Society, Sigma XI, Tau Beta Pi, and was elected to the American Academy of Arts and Science in 1950
- He was also an associate member of the American Radium Society and the American Roentgen Ray Society
- 1977: Trump was elected to the National Academy of Engineering. They later stated that he was a "pioneer" in the scientific, engineering, and medical applications of high-voltage machinery



- 1974: Trump, the National Science Foundation, participants from MIT, the University of New Hampshire (UNH), the University of Massachusetts (UMass) and the High Voltage Engineering Corporation (HVE), evaluated the process of high-energy electrons being injected into sludge at the largest wastewater plant on Deer Island
- A series of extensive microbiological studies at MIT proved that toxic sludge could be disinfected by energized electrons

#### **Accomplishments**

a via será entregue ao passageiro, ora à Reparticão consular brasile	para uso da autoridade compira a qual couber o despacho	petente por ocasião de desembar do navio ou aeronave. apetent authority at the time he
Nos têrmos da Lei No. 2526, de 5 de Ju the terms of Law No. 2.526 of July 5,	tho de 1955 1955	
Nacionalidade UTITED ST	PATES	
Nationality  Ciliação (nome do Pai e da Mãe)  Ciliação (nome do Pai e da Mãe)  Ciliation (name of the Father and Mother)		
Profissão PROFESSOR		2 - 20
me) Idade (Age)	Sexo (Sex)	
on (date)		
bu on	19	
	via será entregue ao passageiro, ora à Reparticão consular brasile e copy util be delivered to the phe carrier to the Brazilian Consul PRIMP os têmes de Lei No. 2526, de 5 de la luca temes de Lei No. 2526, de 5 de luca temes de Lei No. 2526 de 1949, de TITY, N. Y. AUG. 21, 190 Nacionalidade WITTED S' FREDERICK TRIMP Professão PROFESSOR PROFESSO	ing termon da Lei No. 2526, de 5 de Julho de 1955 the torms of Leie No. 2526 of July 5, 1955 DITY, N.Y. AUG. 21, 1907 Nacionalidade Notionalidade Notionalidade Notionalidade Profession PROFESSOR PRIDGE ST., WINCHESTER, MASS. me) Idade (Age) Sexo (Sex)  De pelas autoridades de UNITED STATES on (date) Notionalidade de UNITED STATES on (date)

Trump's tourist passport for Brazil

• TRUMP, J. et al, "Disinfection of municipal sludge and wastewater by energized electrons", Intern. Seminar of the WHO Use of Isotopes and Ionizing Radiation in Environmental Engineering", Sept 17-19, Sao Paolo, Brasil (1979)

#### **Awards and Medals**

Know All Men By These Presents: That we the undersigned members of The Advanced Service Base Laboratory BBRL - ABL - 15, situated in Paris, France, and extending its activities through all parts of liberated Europe, do hereby GIVE, GRANT and CONVEY to Dr. JOHN G. TRUMP all of our greetings, congratulations, and best wishes on the unqualifiedly successful completion of his appointed task, as Director extraordinary, profound Scholar, intrepid protagonist leader and inspirer of men, gentleman and friend; intending also to convey hereby memorable of our corporate history at S.F.R., St. Augustin, and The Louvois with its notorious Room 212, together with our unfailing and unlimited loyalty, admiration and In Token Whereof we have hereunto set our hands and official seal this 25th day of April, 1945

- 1945: During World War II, members of Trump's British Branch of the Rad Lab in France awarded him this certificate for his "unqualifiedly successful completion of his appointed task"
- They describe Trump as: "Director extraordinary, profound Scholar, intrepid protagonist, leader and inspirer of men, gentleman and friend"



- 1947: John Trump was awarded The King's Medal for Service in the Cause of Freedom (KMS)
- This specific medal was instituted by King George IV during World War II for civilian foreign nationals of primarily allied countries
- Trump earned this by displaying meritorious service for his assistance to the US Air Force and his cooperation with Britain in the field of radar that aided the interests of the British Commonwealth



- 1948: In addition to the King's Medal, Trump was also awarded The President's Certificate of Merit for outstanding service to his country by President Harry S. Truman
- This certificate was created by Executive Order 9734 by President Truman in 1946 for any civilian who has performed a meritorious act or service which has aided the US or any allied nation in prosecution of WWII



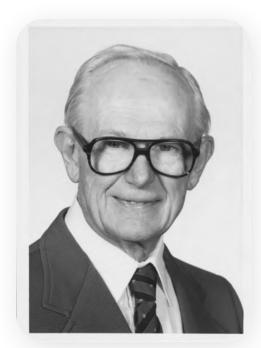
- 1960: Dr. Trump received the AIEE Lamme Medal, the highest recognition by the American Institute of Electrical Engineers
- This is awarded to individuals for meritorious achievement in the development of electrical apparatus or machinery
- In 1963, the AIEE organization merged with the Institute of Electrical and Electronics Engineers and is now awarded as the IEEE Lamme Medal



- 1983: Dr. Trump was awarded The President's National Medal of Science. "for his introduction of new machines and methods for the widespread beneficial application of ionizing radiation to medicine, industry and atomic physics"
- 1985: Bestowed upon Dr. Trump by President Ronald Reagan on February 27, just six days after Trump's death
- Award Discipline: Engineering

# Acknowledgment

# **Acknowledgements**

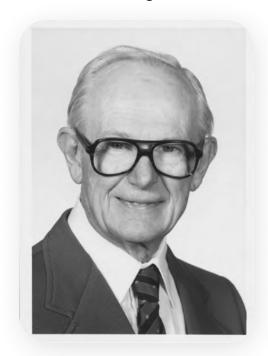


- 1937: Dr. Trump and his colleagues, one of them being Van de Graaff, were featured in a newspaper for giving papers from their research to the National Academy of Sciences in Washington, D.C.
- Trump was also featured in a newspaper for his contribution of an accurate model of a 1,250,000 volt electrostatic x-ray generator for the Technology exhibit at the New York World's Fair

The experiment was conducted at the Deer Island treatment plant in Boston Harbor by John G. Trump, head of MIT's High Voltage Research Lab.

"We think this is very important," said Trump. "Sludge is a problem, and most municipalities are undecided about how deal with it."

# **Acknowledgements**



"Of Extraordinary Promise"

For the past 1½ years, Dr. Nelson assisted Dr. John G. Trump in the high voltage laboratory, investigating the possibilities of super-voltage X-ray dosages in the treatment of cancer. Dr. Trump characterized him as "a physician and physicist of extraordinary promise."

Both scientists gained prominence

• Dr. Trump and his work were mentioned in numerous newspaper and magazine articles, cited in countless research papers and was a source for multiple seminars and conferences throughout the decades



- Written by John G. Trump when he was director of the British Branch Radiation Lab (BBRL) between February 4, 1944 and April 26, 1945
- A first-hand account of the radar activities while Trump was serving a dual role with the BBRL and the US Army Air Forces in Europe with Edward Bowles, an MIT electrical engineer
- Includes his notes as he was traveling back and forth between England and other forward military positions

# **War Diary**

Notable Entries



British Branch Radiation Lab (BBRL)

- February 25, 1944: Said farewell to Elora and Johnny at East Boston Airport for a 2:30 PM flight
- February 28, 1944: Arrived in London at 12:30
- March 2, 1944: Experienced first intense air-raid
- March 13, 1944: First full working day at BBRL
- March 26, 1944: Held first Steering Committee Meeting of BBRL



Soldiers advancing on the beaches of Normandy on June 6, 1944 (D-Day)

- May 9, 1944: Worked on the first BBRL monthly activity report
- June 6, 1944: (D-DAY) "The invasion is on." Trump first heard the news from Curry at breakfast and then confirmed via German news that parachutists had landed in Normandy.
- June 7, 1944: Reports of every type of radar working well and no serious jamming had been encountered on D-Day



King George VI and Queen Elizabeth

- July 16, 1944: Informed that King George VI and Queen Elizabeth would be at TRE (their first visit to an experimental radar establishment) in 3 days and he would be their luncheon guest, to be seated next to the Queen.
- July 19, 1944: Formally introduced to Queen Elizabeth by Dr. Lewis and later to King George VI by Mr. Rowe.

  Discussed the Radiation Laboratory, the cooperation between the US and UK, the stimulating effect of TRE's work, and post-war possibilities

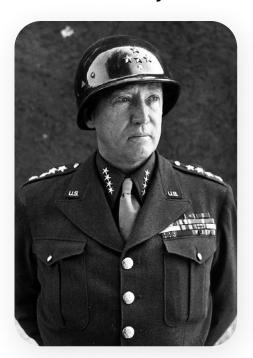


- April 2, 1945: Trump (along with a team of radar scientists) enters Germany for the first time
- April 8, 1945: Traveled with Dr. Lee A DuBridge, physicist, around Paris. Discussed the war situation and the radar program
- April 10, 1945: Discusses with colleagues that there is no longer a need for radar assistance to AAF (Army Air Forces) from BBRL. All personnel, except for about a dozen, will be released by May 15, 1945



- April 13, 1945: Trump is shocked to learn of the sudden death of President Roosevelt in the Stars and Stripes Newspaper. "Everybody sincerely believes that, while the war is safely in hand, his loss is particularly serious at this time when decisions must be made for the future peace."
- April 18, 1945: Journalist Lowell Thomas informs Trump of the Nazi Concentration Camps at Ordruf and Weimar. "A camp for political prisoners who had been starved and many finally shot"

**War Diary** 



- April 19, 1945: Trump, Lowell Thomas, and associate correspondents meet with General George Patton to discuss the war. "Patton is convinced that another war– this time with Russia– will closely follow the present one, and that it is necessary to keep this continually in mind."
- April 20, 1945: Trump interviews captured German radar engineers in order to compare the difference between the US and UK radar efforts with the German efforts

**War Diary** 



- April 23, 1945: Discussion that the departing of BBRL could proceed as planned, with about 50 percent of personnel departing by May 15, 1945
- April 25, 1945: Presented a certificate from the members of The Advanced Service Base Laboratory BBRL, situated in Paris, France for his success as Director extraordinary, profound Scholar, intrepid protagonist, lear and inspirer of men, gentleman and friend
- April 26, 1945: "Took off at 9:20 p.m. for Prestwick and the good old USA"

# **End Of Life**

**End of Life** 



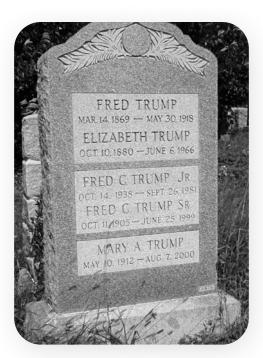
- Dr. John George Trump died in Boston, MA at the age of 77 on February 21, 1985. Just six days later, President Ronald Reagan posthumously bestowed the President's National Medal of Science upon him.
- Trump survived his beloved wife, Elora, by two years and diligently continued his research until the end of his life

**End Of Life** 



- His former business associate, Denis M. Robinson, wrote a beautiful obituary for John Trump and described him as being "remarkably even-tempered, with kindness and consideration to all, never threatening or arrogant in manner, even when under high stress."
- Dr. John George Trump certainly left his stamp on the world and many of his research practices and innovations are still being used today.

**End Of Life** 



# **Fun Facts**

**Fun Facts** 



- 1941: Trump was promoted to Associate Professor at MIT
- 1952: Trump was then promoted to Full Professor at MIT
- Although he formally retired in 1973, Dr. Trump continued his active research program as Professor Emeritus, which is a lifelong title given to extraordinary professors to recognize their achievements, and remained at MIT as a senior lecturer

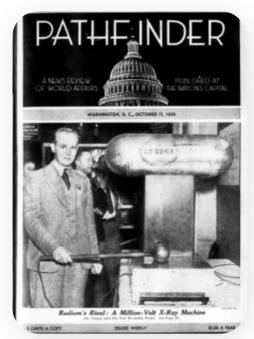
**Fun Facts** 



Trump with Van de Graaff at HVEC

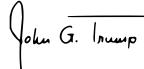
- During his three years with General Electric, Dr. Trump also completed his doctorate and begun his work as a professor in 1936
- He was a scientific advisor to both the U.S. and U.K. governments during WWII
- In the 1940s, Trump co founded a company to build particle accelerators and over the next 40 years, built over 500 and are still a large industry player
- In addition to his many accomplishments, Dr. Trump remained a professor at the elite Massachusetts Institute of Technology for 44 years.

# **Fun Facts**



1936: John Trump with a million volt X-ray machine

- According to his War Diary, Trump and several others met up with General George Patton at "3rd Army HQ" for an interview and later all attended the 3rd Army briefing
- Trump contributed an accurate model of a 1,250,000 volt electrostatic x-ray generator for the Technology exhibit at the 1936 New York World's Fair



**Fun Facts** 



- May 4, 1944: Trump mentioned D-Day in his war diary, which means he knew of the plans to storm the beaches prior to the actual event on June 4, 1944.
- 1944: On June 25th, Trump received a speeding violation from Military police while he was serving during WWII

# **Fun Facts**



Dr. Trump with Dr. Joseph Eugene Nelson and "Mr. Cruickshank"

• This innovative model of a human head and shoulders was essential in the studies of cancer-treating, super-voltage X-ray dosages considering the model's replicated density of bones, skin and tissues

# **Fun Facts**



Above: A closer look at Mr. Cruickshank

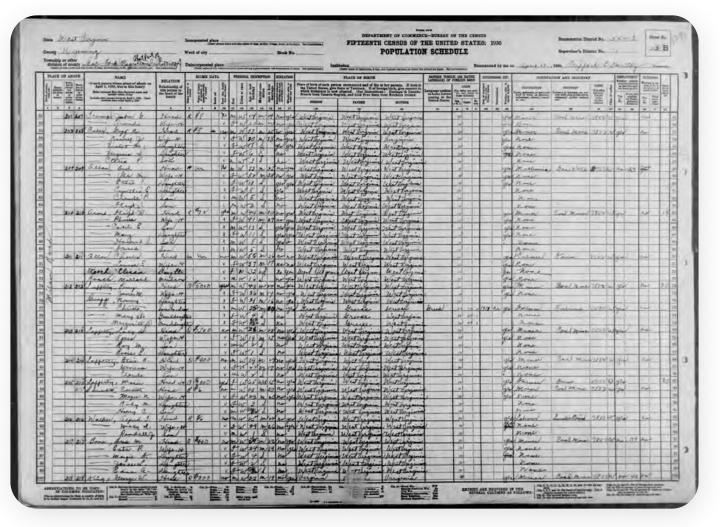
• 1950: Surrealist Sir Eduardo Paolozzi created a series of bronze heads inspired by Mr. Cruickshank after coming across an illustration of Dr. Trump's and Dr. Nelson's model in the National Geographic Magazine

# Memorabilia

	DIRECTORY OF S	TUDENTS
Desien, Cred Frederick, 5, 8  Theise, 5, 8  Theise, 6, 8  Thompson, Control Cushing Thompson, Control Carbon Thompson, Raymond Kennet, B. Ach, Thompson, Control Carbon Thompson, Control Thompson, Contro	Cond. V. V. A. V. A. V. A. V. A. V. Cond. V. V. Cond.	Mercidac, Caon. Greystone Read, Mathichend, Mass. Civeystone Read, Mathichend, Mass. Civeystone Read, Mathichend, Mass. Civeystone Read, Mathichend, Mass. Civeystone Read, Mathichend, Moss. Civeystone Read, Mathichend, Moss. Civeystone Read, Mathichend, Moss. Civeystone Read, Mathichend, Moss. Civeystone Read, Stoneystone, Moss. Civeystone Read, Stoneystone, Moss. Civeystone, Read, Stoneystone, Moss. Civeystone, Read, Stoneystone, Read, Moss. Civeystone, Read, Moss. Civeystone, Read, Moss. Civeystone, Read, Moss. Civeystone, Read, Windonsor, Moss. Civeystone, Read, R

A yearbook page from "Honorary Engineering Fraternity"

		NoSS063	N 26 1904
	Α.	UNITEI	STATES OF AMERICA.
	Mr. 235.	STATE OF N. CONT. You	K
	Mainy on i flow tolerow 1881.	COUNTY OF M. sort. Mark	)
	Many am 1 f . Jahanna 1887,		nereby apply to the Department of State, at Washington, for a pass-
	Bor bem unterzeichneten Standesbeaunten ericbien bente, ber		the and will and bake
	Berfonlichfeit nach	CHOWN The helt	day
	leatannt,	of Lotation	1886, and haly thisatell last mentle.
	Le Grafanachaile Hilly Christ,		
	1000	I solemnly swear	that I was born at Kall Stadt Jermany on or about
	mobility in Maring in Low Oliver Himselfore But St. i,	the ./.4day of	1862; that I emigrated to the United States, sailing from But and the
	Laffeliffan Religion, und zeigte au, daß von der	15 Bours I Sale	1875: that I resided years, uninterruptedly, in the
	and Bland flamen Christ, gobernon	United States from IV	5 to 1919 at Market Land Market I was naturalized
	Much!, fainer Sofowit,	as a citizen of the United	States before the Mandal Control of Mandal Mandal the Action by the ac-
· ville	Sont foli fofin Religion,	companying Certificate of	of Naturalization; that I am the DENTICAL PERSON described in said
M	wohnhat less ifor,	Confidence: that I am do	miciled in the United States, my permanent residence being at
		Month of the	n the State of Alexander Marka,, where I follow the occupation of
	In Mining in farmer Refinny,	the United States	with the purpose of residing and performing
	am finification to Jahrene des Sabres	the duties of citizenship	
	tansend acht hundert auffisse und Monfami Lang 8	Further, I do sol	to to 1 -31 and defend the Constitution of the
	um _ grand sind ain fall_lite ein Stind sanib tiden	United States against a	I that I take this obligation freely, without any mental reservation or
	Gefchlechts geboren worden fei, welches Bornamen	purpose of evasion: So Sworn to before	me this 24 day Red Mustification
	flifabelf	of May	77: 1904
	erhalten habe.	L	July De Marin New York Co. 14.4.
		Age: £5year	DESCRIPTION OF APPLICANT.
	Borgetelen, genehmigt und Gerrhau festenden.	Stature:fe	et, 9 inches, Eng. Chin:
	Botgetelen, genequingt uno prostant formations.	Forehead: A.	Hair: do to believed  Complexion: do to believed
Orthorber an b. Mai 1952	Milion Shoil	Nose:	TAC:
Mains	19.38.9.11.	I hereby certify t	hat I know the above named And Andrew to in the within described Cer-
a maim \$2.534/1952	Der Standesbeamte .	personally, and know h	n, and that the facts stated in h.c., affidavit are true to the best of
Fligos N: 285 F	Tellestaning.	my knowledge and beli	el folyalis + 1
12 61 603 11	Schmitt		[ADDRESS OF WITNESS ] 144 1 17 1 17 17 17 17 17 17 17 17 17 17 17
		Applicant desires passport sen	
		5.5	Le fork



		ov An		CANALOGO DE LOS PRODUCTOS DE LOS PRODUCT			Palacecpers (ROME	DATA		SENAL D	COPTO	n lo	DUCATION			PLACE OF BIRTH	and inclusion the little on which t	MOTION TO	DE FORE		cruzz	NSHP, CIC			1810, Olapo DOT AND DIDUSTRY		papione	NT VEREZ	ea
	THE PERSON			of each person whose place of Age 1, 1910, was in this for	mily Relation this years and the her	makin of makin of mona to a of the mily		_					Water Artist	Plate 0 the U which Free			er her parenta. If borti is reign birth, give country is on.) Distinguish Canada from Santhern Ireland	fampungs spoi in home bet seeing to United Dial	-1	CODA CODA		-	1	CONTRACTOR OF STREET	INCOME.	CODE	I II		Chi
	1 1-	d artis	al via-	Salada esses person floring on April 1, 10 splitters have stone digit 1, 10	er our	-	1 W.	1 2	1 2	9 A	1	30 4	18 81	12.0	PERSON	PATERIA.	Morriso	United Utal	1 .2	- 5	10	63 14		D.		D I	to 0		
Н	1. 1		1.6	Ver (120	Va Ile	ad	1/6.	PIN	2 14	11 4	M	v. 1	0 1160	. No	wy you	Qumam.	German			130		Li	6 Q	mile Same	Vacu Clery	7.363 V	146	444	w
1	4	121	311	Ketman Boba		TIF	0 5000	1 10	/IFV	N 3	2 M	72.3	0 410	213	wif you	Cermany	Janyon	70		0 13 6		4		ma.		-	-	1	-
3			100	Rober	12 6	J		1 1	Zhirly	W 2	3	- 1	le Ula	SVZ	15 M 200	dranger.	Jany you.	h		6	line -	0-1		ma.			+	++	+
4	34	22	24	Stora - Deams	- Hi	Ed #	0 4040	OKW	E	W	+ WD	18/3	045	195	Jyan.	Germany	Orman	Pieme	7 5	130	1814	140	1	Just 1	Cadil Hostry	0950	146		
5	24	+		Treat Grand	Er. Ben	11/			M	W 2	dM	11 3	10 1460	3k	w trans	Jan you	Jany		5		13	L.	6P	heiler	Red Estate	1286	946	Uko	4
6	4	+	1	- Done	E Bon	21		14	F	Wi	68	14	المايا وا	JA	willow	Janya-	Jan Home	100		0	=	140	6	www.	6	7.12	1	-	-
1	2.171	60 23	13	Vernally Vener	XO HE	d	0 Same	RI	n M	W L	I M	18 3	0 1160	21	ul you	Haty	Staty	NEE.	1 2	9 29 6	1889	July 16	10 1	whenler	Hermanythym	72526	144	Jus	+
0	10	T		Mein Light	Charles Park	CH-		1.314	FIF	WIS	4 M	21 3	M. Hild	I Us	Northing	gently	Grany	Qu-		290		110	in !	Vince-			10		
10	100	+		- Harris	erete Jang	( )		1	M	WI	1 5	1	12 1100	3/3	wherey	Chall	Girmann	1	1.5	29 /	0	Lu'	40 C	lezu	derenage	XERN	Yes	100	-
11.	2	+	+	- Thomas		5			VM	Will	3 5		160 .450	Me	Wyon	State.	arm any		5	0 29 0	2	2.5	Call 1	Vin-	2 11.2	04X11		Jvo.	+
13	4	17	1 24	Drumes Tred	1 HE	ad	1-23.00	2113	OM	Wa	5 3	1	12 412	Je	ristian.	Germany	( Shown inch	unk	13	130		100 1	10	mader	Bulder	14/	1	240	
14				- 1 telens		Hugh		+	V E	WE	- We	25 3	10 year	14	ALL STREET	German	Orman	LOUGHANN	5	6 13 0	1881	U.	4 3	VSVC-	2				
18		Fall to	126	Janetur Edw		ad	n 15( 17	1 57 L	N 14	Wh	23	T.	65 (Dec	1.10	- Nad Colore	Hurman	Throne		13	6 19 6	2	14	40 3	Vina.					1
10	13	10	1/2	yeartur, seam	usal Six	stick	7	TA.	VE	WI	30		W Luc	36	ullyen	Bussia	Lustra		5	1 19 1	2	254	-	wone,			++	-	-
18					100	124		111	VF	W	وباي	160	12 yes	16		Hussie Hussie Wentyme	They our	Toolse	3	6 191	1905	Hay	0	Municy Y	Pulo Timo	Y 71/3	2 44	440	w
19	317	11/11	24	Wienes Koul	110 110	e H	27 20									May you	Jany			1	7-5	14	+ 4	and.				1	
			10	- Prod		dille			VE	WIS	3	7	W HIS	Je	william	Many 4 on	Janyon		5	6	150	100	orn D	Var.		aca		-	-
C 21	1	+		Jerry Irel	-	X			VNI	HG 3	DM	15	Pige	You	myllen halfen halfen	Virginia	Vegania	-	17	4	15	- 4	4	Course Mil	Hart time	0501	110	+	
	1	1	107	A NAME OF THE PARTY OF THE PART	. 200	m X			V E	1120	917	15	W un	110	Gum	germany	Oshum	-	-13	6 13	0	1	1	A const	Revet Home	9.99	116	Svo	
12	29	H Y	127	Jahred John	HE.		0 35,50	2 16	o Fi	WIS	I M	34	No ye	J.C.	James	Iroland	heland	1	19	8 00	0	14	62	Wines.			J. 1954		
374 25	15	C-110	No.	Berry Park	ic to	rife #	0 20.00	2 15	12 M	W/ 10	L WI	541	m less	. NA	Manel	Treland	Ireland	Julia	- 6	0 04	1434	Mary L	60 5	operator	Prolitation	X3XC	740	Jo.	
27	131	1	100	- A. Ward	aut W.	k ti		12.1	VE	WA	M 10	188	Miller	J.W.	willow	Vistand	Inchand			2 041	7	- 4	6	me	Obetrua V	7//3	Mud		
28	ī			- 100	1 2	15,		11	VM	W/Z	1 2		to lie	36	in your	greeand	March		18	04	-	1	3	me	Coconage	1400	11		
29	1	+		- Dua	when I we	AM.	-	-	VE	V/ 1	6		10/40	10	Last title	Juland Juland Juland	Ward Line		10	52 04		14	10	Vine -					
			1.0	la talk	ara po	/علم مي (المسام	7	110	(0) F	N 3	6 9		V2 40	3	Lucius	Finland	Findand	Jun	2	3 23	/ 1922	Na y	16	Curry	Stuate How	7590	MYC	-	+
32	1	11 4	1	linggrad all		-	1											1	=	++	+	++	-				1		
23	1 [							-			-							1			-	11	+	1		IIC			
Cl 34		1	-			-	-	-	-		1	1	2 1	1	is The	marata	of Bl	rete 1	3	1 4	1 34	15	F	-			4	+	
23	1	+	+					11			1	11	1		-	1	-	100			-		-				++	-	-
37	1		T		33.7		10				10		1		0000			-	-	++	+	++	+	-				4 7	
38						_	-	14		-	10	Н	1	-	_														
99	1	-	1			-	-	++	-						_	1=				1 1	10	11	4				1		-
41	1	+	+									1							-	++		18	1				++		
42	1				-								1				1	-	+	+	-	1	3					4.5	
43	1						1	-	-		1	+	-	-	_							1	1					1	
44	1	1	-					+				H		1	-	1									-	1	1	-	
43 44 45	1	1	1				1	11	33			18	Ì					1		-	+	++			417 10		1		
(10			1			- 1			23/2		-12			-					-	+	+	11	1		V.		3 01	11	
49			1						110					-			1	1	-	1	-	1			-	1			

		NAME	OF INSTITUTION	- Daniel William	allows, Hong, and halo	on the Steel of	Wild live	0	la bassani (		EN	UMERATED BY M	E ON THE 21	PAK DAY	of Tehues	0581	de	alles 68	onauce	MERIATOR.
•	LICE OF	Atone.		165	BELATION.	THE .	TO	S PERSON.	CTTTLESSAU	BECATION			PATTETT AND M	OTHER TOXOUR.			Ti	1 00	CEPATION. AL	114
	=		Impacy 1, 1889.	was to title family.	5. seen 60	1 1	П.	1 1	E : 1	H: 1	Desiration of one pr		- Land Carry	-	er terriery. If although him	Control of the	13	1 7 7		-
1	=	트를	-	City.	Column and of the	19 3	1 5	14	图 1. 图		ruin	es.	rin	m	100	YES.	13	The state of the s	The same of the same of	
			Include tracy person (14)	on or famour I, then the		1 2			134 E	11 11 11	Special Mater	Better lingu.	Part of Mich.	Section Section	The whate	-	7	200		
		2 1		•				10 10				L	6 11		. 11		36		7	
8	124	47 34	Josephen	Carolin	Vinge	-		1926		19 4		1	Terendery	Mercan	Derwary	Heren	12	non		1
λ	-	- 11	11_	Wilon	Jaligab	+	34	73/2	100 34	3/ .	Menyon	12.	new from	1	Of car flore	1	17	no		1
Ŋ	0.7	1000		Maying	Motherals			35 14		1 4 8		Tadishar	Germany	VIII COM	Leuradin	Whitean.	199	2000		1
8	100	91 210	britage	Sathing	Wite	- M		3/14		16/2		maria	d'ungang		A wingou	100 526	200	thing Filler St	up Tail	11
d	-	-		Pacet	Sin	1		1115		11/2/12		- The	Newsales	What ship	h centary	Mr. fishe	60	regan		1
				Bellen	Saughter		10	10 8	1-1-1		newynn	12.	I maskey	MATTHE	V seugan		12			+
-			~	Cliphal	Jaughte			8 4	1-1	21718	newyou	1	is ingarte	That eres	N ungary	PARALL.	12	-		1
1	1.7		~	Cena	Burghtin		J 4	1445		- M. T.	n collas		y magasia.		w congain	March !!	17			1
	BET	94351	Moli	Stony.	Votar 1				1119 7419	17.9	Beling	Sections	Derenay	economic and	cruising	- Elsone	t.		House	00
ı				Cleichet	map			41 1		17/2			Derway	Besevan	to causely	sevense	169	Home		100
ļ			Museud	Elizabete	Motherinter	100		12.14	100 10	1 dist		Leeman	Generaly	Gerner	cural	Human	3%	non		1 :
- 1	140	3/3	Dhalan	Paul	Mar 1			1 62 M		13/10		-	Donaty	Reseur	2 suray	Summe	18	icon		17
1	-	303	cheeman	Mulia	This			4114	-		newyord	-	Dernay	Herenan	nu Von	Stream	120	Good Master,	resolation they	W
1		Line	Mala	Trillean	Mal 3			Jn 3	1		new lon	-	J' Harang	German	1 cui your		12	separ.	4 2 102	-
ŀ	-	Lucy	naco	arma	mice	T.	JA	2014	MAN MI	25 30	Mariany	Suman	Herengy	Lescon	Serven	German	100	Hore Marie	Mesous Day	100
t			Reimer	Henry	Marie	1	4 4	0-18	100 74 74 /m	12/2	Des makes	Gazan	- cream		Gerenay	Stelena	20	26564		12
1			Ellures	agun	nese	1		145		2/10/10	mention	1		Evales	new York		100	seeme		1
1	Nr :	4/30	Helyler	Notes	That 1	0/24		61 74	10111	1 1417	newyon	1	General		German	Detrues	14	1	See Co	VI
1			0	Louis	Jught	131	Th	1113	4-1-	19/7	new your	1 4	Il to York		1) car your		12	Jupest	Jeale mis	
I		71 1 1	-	Madela	Dringsto		11/2	145	1 1	1914	Men 3/00	7	ne foin		Mese form	1	20	Mach	definal	M
4		1	_	Mui	Nachle		10	33 3 63 /m		1219	newyon		Mention		neulfour	1	130	Word (left	Scale Motion	122
1			Juso	Joslan	Jana	100	11/2	63 /M	1/7/ 74	13/2	Germany	German	being		bearing	Ecemen	13			
1	44	P 234	Wentzet	Mani	Moh 1			60 K		14.54	new John		Germany		Mer your	20.00	12	-teons	- 1	100
H		+	_	Willen	Sh			32 B		7.7	A car or		new same	Gestan	Deciny	Secus.	10	othersaspin	72 . #	100
H	n/L s	-3 N7	Koslu	John	Wher				(Int. 36. 10)	1024	Sermon	bruen	Germaly	Sesme	Descueny	Same	100	Perdi Trotal	Mulagitone	1
1	A	13047	Crater	Row	Thise			10 4	May /AUT	3/12	Median	3,122	Berman	Gernan	Success	Factor	140	12000		11
t			-	Christ	Sought			136 5		120 20	ne Man		Serverly	Sugar	Me Your		16	L'experit	6.31.04°	n
1	Mala	ey ut	Jun-	arthur 0	colad 1			128 k	Ast Cal	1914	Ment Allen	in English	S. aw Thest to	Quelint	Sac Hat &	in Sugles ist	21	Car		B
ľ				Edea L	orale	1.10	10	79 1	, al	1414	Mention	1	Track of C		7/00/1/100		14	non		
Ĺ	- 1		-	aslena	Balakte			14 5	add he		Mer Han		Dermet Metter		necyois		35	_		
Ĺ	-	1	_	3000	Bungher			17-5	10 10 10	-11	new you		Down Med his	England	n-culfore	TECHT	17	-		100
ŀ	4	1.1	Vones		Matheralia			63.774		27	nellow nellow		Men You		new form			non		10
þ	1	1	Potter	Berner	Boarde			18 5	100	19 69	1) willes	4	The you	2.00	M. Carlois		10	Bron-Heepe	orst offer	
r	13	N 3/4	Danie	Lillia	West 1			3/2		7%	ne you		new York		new youn		14	promi	Elee Co	n
ŀ	12	180	70.	Elizabet				39. 7	W. Of	12/11	Beauty	Leena	Secreny	See .	Jew /orti	Con .	4	none		1
H	A 13	W 8 5 50	Buch	Cheshel	Daught			14 5	70 71		n co york	- Cours	Herenay		Bernay	Serman	10		Sport Home	the
ŀ	-	-		Dedewood C	Son			14 5		19 11 10	new your			Serman	derenty	Gerens	19	d	Alex chiles	1
t	- 7			206 5	Junghle			1/2/5		41313	new york		German		9 coman	Some	13			
1	ur b	734	Pappresie	Charles				163 70	111		ne you		German		Summer	Gerena	14	Vacition (	Thurs	1
ľ			"	Bress	Motte		Th	83 201	149 71	1813	Between	Succes	Derway		Dewey	Servier	19	non		
r		162	France 1	Day J'	Star 2					14/4	new Yron		new York		new york		19	Day Clery h	Hung	0
İ		T	11	chair,	Wife			11/A	The last	19/2	1 w/m	1	20 0 14-1	1	27. su Your		10%	Home	-1-	15
	-	1361	Mulse	Llenge	Mass 3	R	MIN	67. L		44	n wyon		newyou		new york	2	21	Paciti	House	17
I			-	may	With		7 m	V7. 2		18/19	1) 440 9 509	100	new you	1	Me Gena	-	19	- people	1	100
E		- 4	Polos	Walter	Malidam			17 5	- 5 1	13/19	17 cm 700	1000	M'en Jorg	12	nelyour	-	27	Cleix Who		14
L	16. 14	8 50	Schneder	Millean	Used 1	04	nn	5013		1777	8) 4 Jul.		y celusy-	Gener	gering	1002	12	Tarata 1	House	188

,	AMES AN	D D	PSCRIPTS	ONS OF	ALIEN	3 24	SSENCERS LANDED AT THE PORT (				
(I)	0)	-		-	-	-		OF Southeapte	m, Ingland	-	
10	(1)	(4)		Due 2 Ber	6	(4) Maria	0	(1)	(9)	(10)	(11)
Notice of passengers	Port	Sea (M. or F)	Adds of 12	Children I	Infants under I	100	Address in the United Kingdom	Groupation (i.e. Profession, calling, or kind	Country of	Country of last permanent existence!	intended future
(Surnate Are)	Enbelution	E.)	and once	und 12 years	hen	disor sel si la so	Com regard	of work dose ruder than industry in	trapest of strong a case	-	midner*
EDUT CLASS	_					-		which engaged)		Deciment by an	- C - WOO
TOLLEPSON, Lajin L.	REAL LOAN		2/14/0	=		-		10000			-
TOWERS, Agrees S.			7/31/7				29 Clarges St., London 30 Frederick Nd., Mirainghes	Nousevife	Tallaha	Velale	NaSal.
mag, John 0.			8/21/0	_			Notel Conterled, London	Rossevife		V.G.A.	Vallada
BBP, Hora C.			1/30/1			×	-do-	Professor	Velisle	U.S.A.	Velske
TRING, John G.			11/10/			-		Houseville		Valida	Vellade
MING, Christine S.			11/25/			1	-40-	Statent	Valuta	Valida	Valiabe
DER, Maren E.		72		6/24/AI		2	-40-	Student	Volate	Vallata	Valida
TURNOFF, Sendre E.			10/24/			-	-	9414	Velal.	Valida.	V.S.A.
CRIME, John L.							Claridges Notel, Lendon	Student	Wallada.	Vadada.	Valida
			1/7/18				G/O TLUE, London	Jir Force	Valuate	Vallada	Tolinka
TRIER, Marianne B.			8/15/2			H	-60-	Tousedfe :	Value	Vellade	Valida
Will, John D.			4/22/4			3	-60-	Student	Valida	Valida	Veliale
PRINTER, Mary V.		7		/11/52		ā.	-to-	0414	Teleda	V.S.S.	Tabala
PYNDALL, Sister Harie Victor	ia		2/2/18			3	Grosvenor House, London	Teacher	T.S.L.	U.S.A.	V.S.A.
YMMALL, Sister Hugh Marie			12/19/2			2	Grosvenor House, London	Teacher .	Veliale	U.S.A.	V.S.A.
AN DEN HEUVEL, William J.	_	H	1/21/2			H	Regent Palace Notel, London	Ingineer	DOTOR	DUTCH	DUTCH
AN DER HESVEL, CARLA J.		7	10/25/3	A		×	-40-	Housevife 12	Value	V.S.A.	BUM
AN DEN REUVEL, Mis Richelle		7		6/2/57		2	-40-	Child	HOLLAND	HOLLAND	ASSTEA
Margery C.			3/3/26			×	Notel Piccedilly, London	Tousevife -	V.S.L.	V.S.A.	V.3.4.
ACREM, Robert C.		H	9/25/40			2	40-	Student	V.S.A.	V.S.A.	Veliale
MIN, Thomas R.		×		6/33/A7			-40-	0.114	Velale	Vallade.	Valada.
ALCAVION, Margaret D.		7	2/12/12			×	American Consulate, Cortiff,	Touseville	Valida	V.S.A.	WIRE
ALCATION, Judith L.		7	2/13/48			8	-40-	Student / 10		V.S.A.	WALKS
URLOW, Harnest J.		H	11/25/0	7		H	American Inbassy, London	Attache /	Walled.	V.S.A.	BESTARS
SRLOW, Josephine P.		7	9/24/22			H	-10-	Housevice .	U.S.A.	U.S.A.	
MED, William O.		H	12/22/2				U. S. Inbessy, London	U. S. State Dept.			ENGLAND
133, Derothy 3,			6/12/12			H		Housevire '7	Valida.	U.G.A.	ENGLAND
EED, Ellian O.			1/26/40			2	-40-			U.S.A.	TOTAL
223, Carrett		M		3/3/46		0	-40-	Student	Vellada	V.S.A.	BRILIED
BRY, BELLE D.			8/19/06					O1114 V 19		U.S.A.	MOLAND
IIII, N. Spottswood			9/4/02				Notel Sevey, London	Housevife Investment	Veliale	Ved-A-	U.S.A.
CTOLUN, Maria			9/5/01				Loundes House, London	Tenter 1	U.S.d.	V.S.A.	Vedela
MF, Morin			MODE I				Little Benhans, Rusper, Eng.		Vallada	V.S.A.	V.S.A.
OLF, Eloise			2/1/94	-			Porchester Notel, London	Builder to	V.S.A.	U.S.A.	Veliale
Mary, Bugh V.			2/18/02			H	-do-	Housevife Foreign Lary,	Vellale.	U.S.A.	U.S.A.
LPY, Lucia R.			1/30/14	-			C/O American Habassy, London	Officer / h	United	V.S.A.	ENGLAND
			1/2/16			H	-do-	Housevife	Velale	W.S.A.	BEGLAND
LFF, Martha W.		P		149	-	3	-80-	Child Va	Walata.	U.S.A.	HIGH
M.FF, Margaret A.		7	32	124/50		3	-60-	01114	Teleda	U.S.A.	ESCLAND
CFF, Nigh X.		K		/22/53		3	-40-	Out14 /15	U.S.L.	Vedale.	BRULAND
CORING, Wendell P.	- 3	M i	6/13/90			H :	Cumberland Notel, London	Geologist	Validade	U.S.A.	Walan.
CORING, Josephine S.	- 1	7	10/2/89			H	-40-	Houseville 24	Volute	U.S.A.	Volute
TLER, Seymour N.	1	M 3	5/23/20			X	Heritaley Hotel, London	Executive	Valida.	V.S.A.	Valida.
LER, Felice		P 9	9/30/12			и	oden 16	Houseville vi	Silve	U.S.A.	Tedale.
SROW, Florence K.	1	P 2	2/1/92			M I	Rious Ruse, Rr. Petverth,	Tousevife		U.S.A.	U.S.A.
-			-								
	25	П								1	

SERIAL NUMBER   1. N	AME (Print)	TANK TO THE REAL PROPERTY OF THE PARTY OF TH		ORDER NUMBER
1698 J	ohn	George	Trun	
Address (Print)	La Signification	(IIIIdato)	(Dast)	
8 Cres	cent Rd	Belm	nont /	Inddlescx Mas
TELEPHONE .	4. Age in Years 33	5. PLACE OF	York	6. COUNTRY OF CITIZENSHIP
Rel. 0530-M (Exchange) (Number)		907 N.Y.	or county) - U. S. A. or country)	U.S.A.
NAME OF PERSON WHO V	VILL ALWAYS KNOW Y			8. RELATIONSHIP OF THAT
V/r5. (Mr., Mrs., Miss)	· lora	9.	Trump	PERSON. WIFE
ADDRESS OF THAT PERSO		(Middle)	(Last)	
8 Cresce	nt Rd.	Belmo	ent Mic	ddlesex Vlass
. EMPLOYER'S NAME			(000	inty) (State)
Mass.	Inst. of	Techn	0/094	
. PLACE OF EMPLOYMENT	OR BUSINESS			Idlesex - Mas
	or R. F. D. number)	(Town	(Cou	inty) (State)
I AFFIRM THAT I HAVE	VERIFIED ABOVE ANSW	VERS AND THAT THEY	RE TRUE.	
EGISTRATION CARD D. S. S. Form 1	(over)		John G	Jounn p.

# Memorabilia

Jelvin Lax Villiam A. Leary Jesiree S. Le Beau Jordon M. Lee Jirce E. Legett M. Lee Jirce M. Lee Jirce M. Lee Jirce Legett M. Lee Jirce Ji

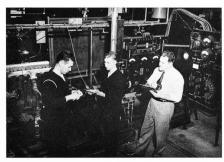
# Sigma Xi

Walter C. Schumb
George J. Schwartz
George J. Schwartz
Edward R. Schwarz
Robert C. Seamans, Jr.
Francis W. Sears
Ascher H. Shapiro
Jame J. Shipman
Robert M. Sherman
Miles S. Sherwood
Miles S. Sherwood
Robert M. Sherman
Miles S. Sherwood
Rodmund, J. Sigurdson
Stephen G. Simpon
Irvin W. Size
John C. Slater
John C. Slater
John C. Slater
John C. Shart
Frank C. Swinith
Richard H. Smith
Richa

#### Richard Taylor Maria Telkes Alberto F. Thompson, Jr. John G. Trump

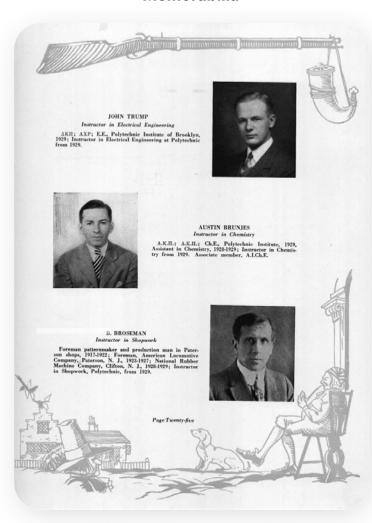
William H. Tucker
Chair E. Turner
Robert J. Van de Graaff
George H. Vineyard
J. Edward Vivian
Bernard Vonnegut
Bernard Vonnegut
Walter C. Voss
George P. Wadsworth
Scott W. Walker
Berrant E. Warren
Berrant E. Warren
Berrant E. Warren
Walter L. Whitehead
Walter L. Whitehead
Walter G. Whitman
Roy P. Whitmey
John B. Wilbur
John B. Wilbur
Glenn C. Williams
Glenn C. Williams
Glenn C. Williams
John W. Williams
John W. Williams
John C. B. Wulff
Louis F. Woodruff
Ralph C. Young

Thesis work



[59]

67



# Memorabilia

JOHN R. THOMPSON

Assistant Professor of Military Science and Tactics.



LASZLO TISZA



S.B. '34, S.M. '35, Sc.D. '37, M.I.T.; Assistant Professor of Chemical Engineering.





DAVID A. TRAGESER

S.B. '45, S.M. '48, M.L.T.; Assistant Professor of Chemical Engineering; Di-rector, Buffalo Station, School of Chem-ical Engineering Practice.

JOHN G. TRUMP

E.E. Poly. Inst. of Brooklyn '29; M.A. Columbia University '31; Sc.D., M.I.T. '33; Associate Professor of Electrical Engineering.





CARLTON E. TUCKER

S.B., M.I.T. & Harvard '18; Professor of Electrical Engineering.

### DONALD S. TUCKER

A.B. Colorado College '06; A.M. Wil-liams College '12; Ph.D. Columbia Uni-versity '22; Professor of Economics.





### HARRY UDIN

S.B. '37, Sc.D. '49, M.I.T.; Assistant Professor of Metallurgy.

#### HERBERT H. UHLIG

Sc.B. Brown University '29; Ph.D., M.I.T. '32; Associate Professor of Metal-lurgy.





JOSEPH N. ULMAN JR.

A.B. '28, B.E. '34, Johns Hopkins Uni-versity; Assistant Professor of English.

# Memorabilia









William H. Timbie

A.B. Williams College 'o;
S.B. '13; Associate Properson of Electrical Engineering and Industrial Practice;
KHK; 49BK;
Lowell Institute.

John D. Trimmer
A.B. Elizabethtown College '06; M.S. Prompt Greening-Acting Director, value and State College '13; Ph.D. University of Miching College (1); Assistant Processing of Aeronautical Engineering.



JOHN BENSON WILBUR S.B. '26; S.M. '28; Sc.D. '33; Professor of Structural Engineering. ΣΞ; XE.



John G. Trump
E.E. Polytechnic Institute
G.B. '18; Professor of Elecrical Engineering.

Columbia University '31;
D.Sc. '33; Associate Professor of Electrical Engineering. TBH; 2.E.



Donald S. Tueker B.A. Colorado College '06; M.A. Williams College '12; Ph.D. Columbia Univer-sity '22; Professor of Politi-cal Economy.







Walter F. Urbach
A.B. University of Dabaque
23; A.M. Washington University of Meaitener of English.

Manuel S. Vallarta
Arthur R. von Hippel
Ph.D. University of George P. Wadsworth
S.B. '20; S.M. '31; Ph.D.
1(fon.) University of Meaitingen, Germany '24; Astingen, G

[225]



FACULTY

70

# **Publications**

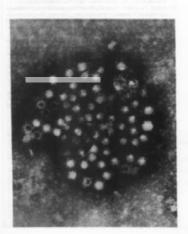
### **Publications**

# Destruction of Pathogenic Microorganisms and Toxic Chemicals by Electron Treatment

J.G. Trump, D.Sc., E.W. Merrill, D. Sc., A.J. Sinskey, D.Sc., K.A. Wright, M.S. Massachusetts Institute of Technology, Cambridge, Mass.

T.G. Metcalf, Ph.D University of New Hampshire, Durham, N.H.

D.N. Shah, S.M. High Voltage Engineering Corporation, Burlington, Mass.



#### ABSTRACT

Laboratory studies at MIT accompanied by high flow frate studies at the MDC Deer Island Wastewater Treatment Plant in Boston have shown the practicality and cost effectiveness of disinfecting liquid municipal sludges by injecting energized electrons.

A dosage of 400 kilorads reduces gram-negative bacteria, including coliforms, fecal coliforms, salmonellae and shigellae, in primary raw or anaerobically digested sludges to undetectable levels. Enteric viruses in sludge are reduced by one to two orders of magnitude. Other investigations have shown that parasite ova are rendered non-infectious by such dosage.

Destruction of water-dissolved PCBs and other toxic chemicals by electron treatment was studied at MIT in water-lipid mixtures ranging from pure water to pure lipid. In pure water a 10 kilorad dosage produces nearly complete

Paper Presented at the 8th National Conference on Municipal Shudge Management, Marel, Florida, March 1979

This work was supported by grants to MIT of the National Science Foundation.

DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS REPORT

# **Newspaper Excerpts**

**Newspaper Excerpts** 

### RYAN-REILLY

The engagement of Miss Mary Rose Ryan, daughter of Mr. and and Mrs. Austin F. Rvan of 2034 New York Ave., to Charles Reilly of Goshen, N. Y., was announced at the breakfast of the graduating class of the College of New Rochelle, held at the Westchester Country Club vesterday morning.

#### TRUMP-SAUERBRUN

Miss Elora Gordon Sauerbrun. laughter of Mr. and Mrs. Arthur sauerbrun of 92-22 177th St., and Dr. John George Trump, son of Ars. Frederick Trump of 176-24 Devonshire Road, both Jamaica, vere married in the Church in the Jardens, Forest Hills, recently. The Rev. John Rahill officiated, and a eception followed at the Forest Hills Inn for the immediate families and the bridal party.

Miss Sauerbrun had Mrs. Earl Rylance as matron of honor and he Misses Janet Grinler of Arlingon, N. J., Helen Harper of Brookyn, Winifred Haverker of Jamaica and Mrs. Edgar Taylor of Laurelton as bridesmaids. Frederick C. Trump was best man for his brother, and he ushers were Gordon Sauerbrun. prother of the bride; Dr. Robert Van de Graaff of Cambridge, Mass., George Watson of Boston and Henry Morgan of Manhattan.

Dr. and Mrs. Trump have sailed to spend four months in Europe. In September Dr. Trump will be the guest of the U.S.S.R. Academy of Science in Russia, where he will discuss his work in vacuum electrostatic power transmission. His bride will be the guest of Mrs. Walter Williams of Bramhall, Cheshire, England, during that month. They will return in October and live in

#### TUKK, FRIDAY, DECEM.

#### SAUERBRUN-TRUMP

Mr. and Mrs. Arthur Sauerbrun of M 9222 177th St., Jamaica, announced Firs the engagement of their daughter, O'K Miss Elora Gordon Sauerbrun, to of 1 Dr. John George Trump, son of Mrs. Prederick Trump of 175-24 Devonshire Road, Jamaica, at a tea at Caltheir home Wednesday. Miss mit Ann Hopkins and Mrs. Ogden Avery for Keep poured tea.

Miss Sauerbrun is a graduate of Jamaica High School and received 'eters the degree of Bachelor of Music Edat a ucation from the Institute of Musi-Club, cal Art of the Juilliard School of lege Music in 1933. She is a past presi- Mar

the dent of the Crescendo Club of Ja- Pitc bara maica and is active in the Senior Wes phine Crescendo Club and the Fortnightly oons, Club of Hollis. She is well known in Dor- musical circles as a pianist and ac-Joan companist.

Dr. Trump received the degree of Haz electrical engineer from Polytechnic Eler Institute in 1929; Master of Arts Fen degree from Columbia University in shan, 1931 and the degree of Doctor of Vin Science from Massachusetts Instinbes, tute of Technology in 1933. He is a M irley member of Alpha Chi Rho and the way lanet national honorary fraternities Tau to F ileen Beta Pi and Sigma Xi. He was inpebe structor in electrical engineering at Polytechnic Institute from 1929 to tinia 1931; Du Pont Fellow at Massachuvada setts Institute of Technology in of 1932 and now is research associate mira in electrical engineering at that in- will stitution.

The wedding will take place in September after Dr. Trump's return late rsall from Russia. He will leave early in ders June as the guest of the Academy of Elm Me- Science of the U. S. S. R. to discuss the vard his work in vacuum electrostatic foll Ac- power transmission.

igan.

### Miss Sauerbrun to Wed.

The engagement of Miss Flora John Brewster and Mrs. Christman. Gordon Sauerbrun, daughter of Mr. a and Mrs. Arthur Sauerbrun, of Mrs. Fursman, Mrs. Wells, Miss 92-22 177th st., Jamaica, and Dr. George Trump, son of Mrs, Frederick Trump, of 176-24 Devonshire rd., Jamaica, has been announced,

Miss Sauerbrun is a graduate of Jamaica High School and earned a degree of bachelor of music at the of 173-02 Grand Central pkwy., Juilliard School Institute of Musi- Jamaica, have announced the encal Arts. She is a past president gagement of their daughter, Marof the Crescendo Club and active in the Senior Crescendo of Jamaica and several societies of the Hollis

Unitarian Church. Dr. Trump is research associate in electrical engineering at the Massachusetts Institute of Techgnieering from the Brooklyn Polytechnic Institute, received his master of arts degree at Columbia Uniis a Dupont Fellow at M. I. T., and a member of Alpha Chi Omega, Tau Beta Pl and Sigma Xi frater nitics.

### Martins Entertain.

Hampton Bay, Dec. 28 .- Mr. and Mrs. Aurellus Martin entertained at a dinner party on Christmas:

Mrs. Aurollus Marlin entertained at a family dinner party in their home on Christmas Day.

Their guests were:

Mr. and Mrs. Octar Novotony, Miss Mse Novotony and Miss. Ruth Novotony of Speonk: Dominick Cirami, of Brookin;

Mr. and Mrs. Alfred D. Martin, Miss Mse Martin, Mr. and Mrs. Alfred D. Martin, Miss Mse Martin, Mr. and Mrs. Dominick Martin and sons, Harold, Alfred and Donald Martin, of Hampton Bays. tin, of Hampton Bays.

# Mrs. Christman's Party.

Quoque, Dec. 28 .- Mrs. Carl were: 

Wells, Mrs. Vaneta Baum, Miss Ida Gustafson, Miss Ethel Russell, Mrs.

The most skillful players were Gustafson and Mrs. Brewster.

Long Island Social News

# Miss Ludwigsen Engaged.

Mr. and Mrs. Andrew Ludwigsen. jorie, and William Robert Goetz, son of Mr. and Mrs. William Goetz, of 151-02 84th rd., Jamalca,

Miss Ludwigsen was graduated from the Jamaica High School and Deken Institute, and attended Brooklyn College. She is secrenology. He was graduated in en- tary of the junior league of the Jamaica Woman's Club, and a member of the Daughters of the Eastern Star. Mr. Goetz was gradversity and a degree of doctor of uated from Jamaica High and later science from M. I. T., while teach from the Oswego State Normal ing engineering at Polytechnic. He School. He is a member of Gamma Chapter, Tri-Kappa fraternity and S Sons of the Spanish War Veterans.

### Chapmans Give Dinner.

East Moriches, Dec. 28.-Mr. and Mrs. C. B. Chapman, of Atlantic ave., entertained the following

East Moriches, Dec. 28 .- Mrs. Helen Howell was hostess at a Christmas dinner party in her home on Atlantic ave. Those present

# Elora G. Trump, 70

# Active in musical groups

Private funeral services have been held for Elora Gordon (Sauerbrun) Trump, 70, active in musical organizations for many years in the Boston area. She died Friday in her Winchester home after a long illness.

Mrs. Trump had been a Winchester resident since 1941.

A planist, she was active in the Musical Arts Society and the Massachusetts Institute of Technology Women's League and she contributed to musical programs at MIT, the Rivers School in Weston, and in the Winchester area.

She leaves her husband, Dr. John G. Trump of Winchester, professor emeritus of electrical engineering at MIT; a son, John Gordon Trump of Watertown; two daughters, Christine Elora Philp of Pittsfield and Karen Elizabeth Ingraham of Los Alamos, N.M.: a brother, Gordon Arthur Sauerbrun of Ridgewood, N.J.; and six grand**Newspaper Excerpts** 



ACCEPTING CANCER SOCIETY GRANTS - Left to right, Dr. Hudson Hoagland, co-director, Worcester Foundation for Experimental Biology; Francis C. Gray, Massachusetts General Hospital; Dr. Ernest M. Daland, president Massachusetta Division, American Cancer Society; Dr. Leonard Carmichael, president of Tufta College; Dr. George P. Berry, Harvard Medical School dean, and Dr. John G. Trump of M. I. T.

Tena, Wizard at War: The Geneux, the Particle Beam Weavow AND THE PURSUIT OF POWER' BY MARC J. SERVER

### 'Tesla' gives a mesmerizing look at pursuit of dangerous weapon

MARC J.

SEIFER

the Particle Beam Weapon and the Pursuit of Power Wizard at War

suches afthe. 'The model has been feel from the fine the second has been feel from the fine the fine through the fine the fine the fine through the fine the fine through the fi



DELEGATE

# GOING FROM BORO TO STUDENT FORUM

Adelphi College and Poly Institute Undergraduates to Al-

tend National Meeting.

Breechies colleges will be requestrated at the regret service of the National immediate reduces them of the National immediate reduces thing art American to the held at the reduces of the National Immediate Research and Reine Markimure, or Adopted Chinage, and others to Postportate Immediate the National Immediate States of Adopted Chinage and others the second of the Company of the States of the American States of the Postportation, and other Company of the Postportation of

Ruggero Maria Santilli

IL GRANDE GRIDO: ETHICAL PROBE ON EINSTEIN'S FOLLOWERS IN THE U.S.A.; AN INSIDER'S VIEW

366 pages U.S. \$ 19.50 ISBN 0-911767-00-7 © 1984

"Santilli's case is compelling and de serves to be heard—that it has been suppressed so far is undeniable."

John N. Ross The Harvard Crimson Wednesday, March 20, 1985

SCIENTIFIC ETHICS

a newsletter edited by L KAUFFMAN

Six issues per year U. S. \$ 29.50 per year Prices include surface shipping

Ill shipments with prepayment on ALPHA PUBLISHING 897 Washington St., Box 82 NEWTONVILLE, MA 02160 Tel. (617) 864 9859

Circle number 43 on Reader Service Card

# **JOURNAL OF** QUANTUM **ELECTRONICS**

A translation of Kvantovaya Elek-tronika (Moscow) Experimental and theoretical

Experimental and theoretical work on quantum electronics and its applications in science and technology: lasers, interaction of coherent radiation with matter, holography, nonlinear optics, and related topics. Monthly, Approx. 1750

pages annually \$750 U.S. & Possessions \$768 Foreign \$780 Optional Airfreight Europe \$802 Optional Airfreight Asia ders and inquiries should be sent

AMERICAN INSTITUTE OF PHYSICS 335 East 45 Street New York, NY 10017

elected are Claude J. Allegre, director of the Institut de Physique du Globe, University of Paris, Strasbourg, France; and Pavel A. Cherenkov, laboratory head and professor, Lebedev Physics Institute, USSR Academy of Sciences, Moscow. Altogether 233 foreign members have been elected to the Academy.

### John George Trump

John C. Trump, profesor emeritus or the Massachusetts Institute of Technol-ogy, and on 21 February 1985. He was born in New York in 1907 and received form in New York in 1907 and received form in New York in 1907 and received form of the Profesor of the New York in 1907 and received form of the New York in 1907 and received form of the New York in 1907 and received form of the New York in 1907 and received form of the New York in 1907 and received form of the New York in 1907 and received form in New York in 1907 and re his DSc in electrical engineering from MIT in 1933. He then worked at MIT as a research associate until 1936,

professional life was to maintain the highest reliable de voltage per centimeter, both in vacuum and in gas 
pressure, for accelerator applications 
that he clearly foresaw both in medicine and in industry.

cine and in industry.

His first goal was a 2-million-volt pressurized x-ray generator that could be flexibly mounted in a hospital treatment room. With this he pioneered at MIT, in close cooperation with the Lahey Clinic physicians, the now wide lay used rotation therapy for cancer I state of Electricity, where he was

Trump's war service orginated as Trump's war service orginated as the chinical aide to Karl Compton at MIT. He was on the Steering Committee of the Radiation Laboratory at MIT, and from 1944-45, director of the British In 1984 he was chosen by the Presiinto Europe to assist in the best utiliza-



MTT in 1933. He then worked at MTT as a research associate until 1936, when he was made an assistant professor of electrical engineering. In 1952 he became a full professor. Trump served as director of MTT High-Voltage Research Laboratory Grossional like was to maintain the professional like was to maintain the highest reliable dc voltage per centi- which is a continuous contracts, of the meter, both in vacuum and in gas Science Foundation contract, of the

ly used rotation therapy for cancer tumors with selective protection of largely responsible for the handsome adjacent healthy tissue. He designed electrostatic shielding of the 2-million-many of the setups himself and gave the control of the designed with the physicians. He developed himself in 1936. Tump was a life modified accelerators for treating skin trustee of the museum. He took a great cancer with electrone Concurrently interest in this new polect rolls are the controlled to the contro cancers with electrons. Concurrently, interest in the very short pulses of Trump taught special courses for hospital physicists in the Northeast.

Corporation, another subsidiary of

Branch Radiation Lab at Great Mal-vern, following the American forces al of Science, and this medal was

into Europe to assist in the best utilization of the centimeter radar and radio
countermeasures they were using.
In 1946, Trump, Robert Van de
Graaff and I founded the High Voltage
Regineering Corporation to manufacture the compact Van de Graaff accelerators he was continuing to develop at
MIT. He became the company's chairman and technical director and was
intimately involved with Van de Graaff
and many of their former students in and many of their former students in convincing persuasiveness, carefu

Brooklyn colleges will be represented at the fourth annual convention of the National Student Federation of America, to be held at the University of Missouri on December 13 14 and 15 by Misses Ester Ewart and Helen McKinney, of Adelphi College, and John G. Trump, of Polytechnic Institute.

Delegates from more than 200 colleges and universities throughout the country will gather at the convention for the purpose of bringing about a better realization and solution of student problems through discussion and interchange of experiences. Prominent educators have realized the value of the work of the Federation, and are cooperating with it in its effort toward student self-expression. This year the Federation is headed by E. H. Miller, of Washington and Lee University, who has secured as conven-tion speakers Henry W. L. Dana, former professor of comparative literature at Harvard and Columbia; Walter Williams, nationally known journalist, and Norman Thomas, Socislist candidate for President.

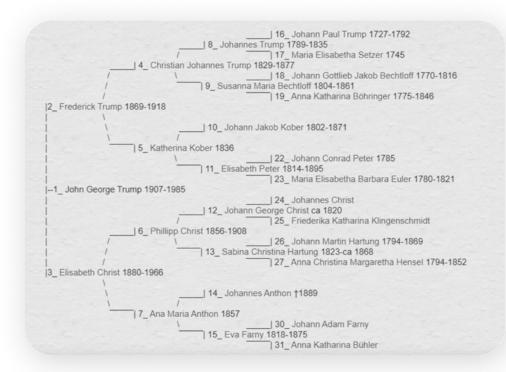
Miss Ewart and Miss McKinney are both actively engaged in student affairs at Adelphi. Besides being president of the Student Council Miss Ewart was president of her class in her sophomore year and captain of the varsity basketball team. She is a member of the Lantern Adelphi's honor society.

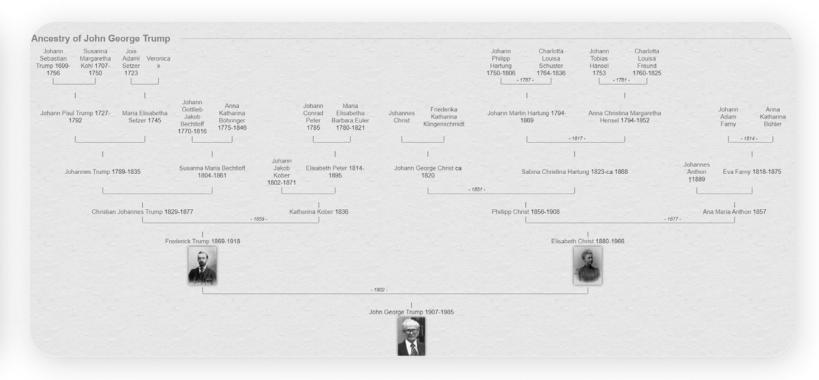
Miss Mckinney, now in her junior year, is vice-president of the Student Council and was president of the sophomore class. She is taking an active part in the dramatic work of her school and is a prominent member of the swimming team,

Mr. Trump is planning to bring up for discussion several problems in echnical education and has an acprogram laid out for himself

# **Family Tree**

### **Newspaper Excerpts**





# John G. Trump

A SPECIAL COLLECTION BROUGHT TO YOU BY OPEN.INK

