

NAGY, Endre, dr.; MESZAROS, Katalin, dr.

Side-effects in resochin therapy of erythematodes discoides  
generalisatus. *Borgyogy.vener.szemle* 36 no.1:14-15 Ja '60.

1. A Debreceni Orvostudományi Egyetem Bor- és Nemikortani  
Klinika, a (Igazgató: Prof. Dr. Szodoray Lajos egyetemi tanár)  
közleménye.

(LUPUS ERYTHEMATOSUS ther.)  
(CHLOROQUINE eff.inj.)

NAGY, Endre, dr.; BENKO, Gabor, dr.

Course of the development of resistance in common pathogenic bacterial genera as shown by our clinical test material. Orv. hetil. 101 no.24:840-841 12 Je '60.

1. Szegedi Orvostudományi Egyetem, Mikrobiológiai Intézet.  
(ANTIBIOTICS pharmacol.)  
(BACTERIA pharmacol.)

OBERNA, Ferenc, dr.; NAGY, Endre, dr.

Secondary plastic surgery of scalping injuries of the head with the aid of pedicle flaps. *Magy. sebeszet* 14 no.4:227-232 Ag '61.

1. Budapest Fovaros Tanacsa Peterffy Sandor utcai Korhazanak (igazgato: dr. Galocsi Gyorgy) Baleseti-Sebeszeti Osztalya (foorvos: dr. Oberna Ferenc) kezlemenye.

(SCALP wds & inj)

NAGY, Endre, dr.; KARACSON, Janos, dr.

Association of psoriasis with scleroderma and lupus erythematosus.  
Borgyogy. vener. szemle 37 no.2:83-88 Ap '61.

1. A debreceni Orvostudományi Egyetem Bor- és Nemikortani klinikájának (Igazgató: Szodoray Lajos dr. egyetemi tanár) közleménye.  
(PSORIASIS compl)  
(SCLERODERMA compl)  
(LUPUS ERYTHEMATOSUS compl)

CSOKA, Imre, dr.; NAGY, Endre, dr.

Our experience with 10-year therapy of pemphigus. *Borgyogy. vner. szemle* 37 no.4:177-181 J1 '61.

1. A debreceni Orvostudományi Egyetem Borklinikájának (Igazgató: Szodoray Lajos dr. egyetemi tanár) közleménye.

(PEMPHIGUS ther)

CSOKA, Imre, dr.; NAGY, Endro, dr.; SZODORAY, Lajos, dr.

On mastocytoses of the skin. *Magy. onkol.* 6 no.2:109-114 My '62.

1. A Debreceni Orvostudományi Egyetem, Bor- és Nemikortani Klinika.  
    (SKIN pathol)                      (MAST CELLS)

NAGY, Endre, dr.; OBERNA, Ferenc, dr.

Use of roentgenographic image intensifier in combination with television in traumatological surgery. Magy. radiol. 14 no.3:169-174  
Je '62.

1. Bp. Fov. Tanácsa Peterfy Sandor u. Korhaz Rendelointezete (igazgato: Galocsi Gyorgy dr.) Baleseti Sebészeti osztalyanak (foorvos: Oberna Ferenc dr.) kozlemenye.

(RADIOGRAPHY) (TELEVISION) (SURGERY OPERATIVE)  
(WOUNDS AND INJURIES surg)

NAGY, Endre, dr.; BALOGH, Eva, dr.; GAAL, Gyorgy, dr.; NAGY, Sandor, dr.

Studies on allergodermatoses in the alkaloid factory in Tiszavasvar.  
Borgyogy. vener. szemle 38 no.1:22-25 F '62.

1. A Debreceni Orvostudományi Egyetem Bor- és Nemikortani klinikájának  
(Igazgató: Dr. Szodoray Lajos egyetemi tanár) és a Kossuth Lajos Tudományegyetem Szerveskémiai Intézetének (Igazgató: Dr. Bognár Rezső egyetemi tanár) közleménye.

(DERMATITIS MEDICAMENTOSA etiol)  
(OCCUPATIONAL DISEASES)



NAGY, Endre, dr.; VEZEKENYI, Klara, dr.; SZABO, Peter, dr.

Treatment of childhood morphea with combined antimalarials and  
novocain. Bogyogy. vener. szemle 38 no.5;226-230 0 '62.

1. A Debreceni Orvostudományi Egyetem Borklinikájának közleménye  
(Igazgató: Szodoray Lajos dr. egyetemi tanár).  
(SCLERODERMA) (PROCAIN) (CHLOROQUINE)

NAGY, Endre, dr.; MESZAROS, Csilia, dr.

Combined internal treatment of granuloma fungoides. Borgyogy.  
vener. szemle 39 no.5:225-228 0 '63.

1. A Debreceni Orvostudományi Egyetem Bor- és Nemikortani  
Klinikája (Igazgató: Szodoray Lajos dr. egyetemi tanár)  
közleménye.

(MYCOSIS FUNGOIDES) (MANNOMUSTINE)  
(NORTESTOSTERONE) (ADRENAL CORTEX HORMONES)  
(STEROIDS) (ANTINEOPLASTIC AGENTS)

NAGY, Endre, dr.; CSOKA, Imre, dr.; AMERIO, Irma, dr.

Treatment of dermatomyositis with synthetic antimalarial drugs.  
Borgyogy. vener. szemle 40 no.2:60-64 Ap'64.

1. A Debreceni Orvostudományi Egyetem Borklinikájának (Igazgató: dr. Szodoray Lajos egyetemi tanár) és a Debreceni Orvostudományi Egyetem Gyermekklinikájának (Igazgató: Kulin, László, dr. egyetemi tanár) közleménye.

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NAGY, Endre, dr.; VEZEKENYI, Klara, dr.

Study of the monoamine oxidase activity in lupus erythematosus.  
Borgyogy vener. szemle 40 no.3:113-116 Je'64.

1. A Debreceni Bor és Nemikortani Klinika közleménye (Igazgató:  
Szodoray, Lajos, dr. egyetemi tanár).

NAGY, Endre, dr.; BALOGH, Eva, dr.

Livedo reticularis symptomatrica. Bc gyógy vener. szemle 40  
no.3:116-119 Je'64.

1. A debreceni Bor es Nemikortani Klinika kozlame nye. (Igaz-  
gato: Szodoray, Lajos, dr., egyetemi tanar).

HUNGARY

NAGY, Endre, Dr., and CSATARY (Mrs. NAGY), Klara, Dr., Central La-  
boratory at the Municipal Hospital (Varosi Korhaz, Kozponti Laboratorium)  
in Hodmezovasarhely.

"On the Proper Bacteriological Diagnosis of Infections of the Urinary  
Tract. Our Experiences with Urine Cultures"

Budapest, Orvosi Hetilap, Vol 107, No 26, 26 Jun 1966, pp 1222-1225.

Abstract: The authors' experiences with urine cultures were described. They showed that the customary kind of qualitative urine culture techniques are not suitable for the precise diagnosis of infections of the urinary tract since these techniques are subject to gross errors. The proper procedure seems to be the culture of excreted urine rather than of urine obtained by catheterization. The agar-plate titration method was found to be the most suitable. 26 references, including 2 Hungarian and 24 Western.

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G-3

HUNGARY/Electricity - Semiconductors

Abs Jour : Ref Zhur - Fizika, No 11, 1958, No 25531

Author : Nagy E.

Inst : L. Eotvos University, Budapest, Hungary

Title : On the Thermal Turnover of Germanium Rectifiers.

Orig Pub : Acta phys. Acad. sci., hung., 1957, 8, No 1-2, 231-233

Abstract : The author investigates the turnover of the characteristics of germanium point-contact diodes, observed during the self-heating of the contact.

The maximum voltage is determined from the condition of the violation of the thermal stability. The dependence of the current on the contact temperature is taken in the form that takes into account both the action of the temperature and the action of the electric field.

The maximum voltage is found to be linearly increasing with the resistance of the germanium and to depend also on the height of the energy barrier at the contact period. It is indicated that the law obtained is similar to the case of internal emission under the influence of a field.

Card : 1/1

NAGY, E.

"Mechanical principles of the working of rockets and rocket propulsions."  
p. 99.

FIZIKAI SZEMLE. (Eotvos Lorand Fizikai Tarsulat). Budapest, Hungary,  
Vol. 8, No. 4, Apr. 1959.

Monthly list of East European Accessions (EEAI), IC, Vol. 8, No. 8,  
August 1959.  
Uncla.



NAGY, Erno

Mechanical foundations of the work of rockets and rocket engines.  
Fiz szemle 9 no.4:99-105 Ap '59.

NAGY, Erno

What should be known about Sputnik IV. Musz elet 15 no.11:5 My '60.  
(EEAI 9:9)

(Russia--Artificial satellites)

NAGY, Erno

The jet plane Caravelle and its followers. Misz.slet. 15 no.3:12  
F '60. (WEAI 9:4)  
(France---Jet planes)

NAGY, Erno

Electronic music. Musz.elet. 15 no.5:1 Mr '60.  
(Music)

(EEAI 9:5)

NAGY, Erno

Free radicals as jet propulsion materials? Musz elet 15 no.13:4  
Je '60. (EEAI 9:9)  
(Rockets)

NAGY, Erno

On the agenda of space research; interplanetary space. Musz elet  
15 no.15;3 JI '60. (EEAI 9:12)  
(Outer space)

NAGY, Erno

Encounters in space. Musz elet 15 no.16:6 Ag '60.  
(Space flight)

(EEAI 10:1)

NAGY, Erno

Artificial moons and meteorology. Elet tud 15 no.16:490-494  
17 Ap '60.



NAGY, Erno

The magnetic field of the moon as it is reflected by Soviet  
measurements. Musz elet 15 no.18:7 S '60. (EEAI 9:12)  
(Moon) (Magnetic fields)  
(Russia--Astronomy)

NAGY, Erno

On the margin of an interesting experiment; the radio transmitter to  
Pioneer V became silent. Musz elet 15 no.19:11 S '60. (EEAI 9:12)  
(United States--Artificial satellites)

NAGY, Erno

Letter from Farnborough. Musz etel 15 no.20:4 S '60. (EEAI 10:1)  
(Great Britain--Aeronautics)  
(Hungarians in Great Britain)

NAGY, Erno

The International Council of Aeronautical Sciences in Stockholm.  
Musz elet 15 no.21:7 0 '60. (EEAI 10:2)  
(Aeronautics)

NAGY, Erno

And in some months the man comes! What we should know  
about the space experiment. Elet tud 15 no.21:660-662  
22 My '60.

NAGY, Erno

Topmost achievements in electronics. Musz elet 15 no.22:1,12 0 '60.  
(EEAI 10:3)

(Electronics)

NAGY, Erno

The sixth sputnik. Musz elet 15 no.25:5 D '60.  
(Russia--Artificial satellites)

(EKAI 10:2)

NAGY, Erno

Some problems of the astronaut's re-entry. *Est tud 15 no.34:1067-1070*  
21 Ag '60.



NAGY, Erno

Meeting of spaceships. Elet tud 15 no.37:1159-1162 11 S  
'60.

NAGY, Erno

Experiments with Sputnik spaceships. Klet vol 15 no.51:1608-  
1610 18 D '60.

NAGY, Erno, gepeszmernok

Astronautics: the science of our age. Term tud kozl 5 no.5:197-  
198 My '61.

1. "Termeszetudomanyi Kozlony" szerkeszto bizottsagi tagja.

87473

H/016/61/011/001/001/003  
B009/B057

26 1420  
AUTHOR:

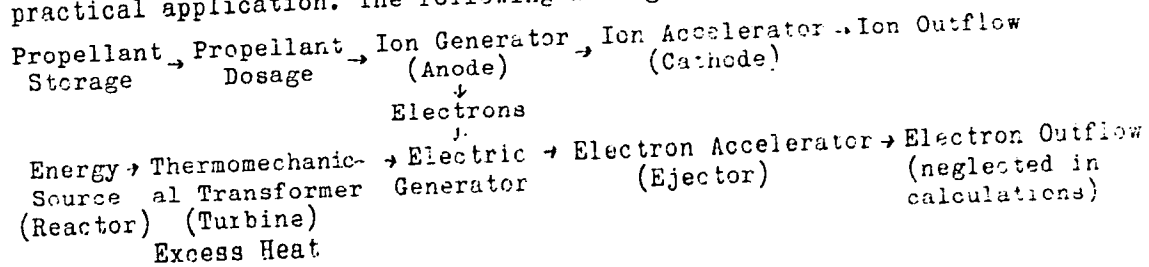
Nagy, Ernő

TITLE:

The Ion Rocket - Space-travel Power Plant With Electron Accelerators

PERIODICAL: Fizikai Szemle, 1961, Vol. 11, No. 1, pp. 3-12

TEXT: On the basis of US and Soviet publications, the schematic buildup, the principal characteristics, the elements of calculation of the ion rocket, and some comparative data are presented with advice toward practical application. The following arrangement is considered:



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The Ion Rocket - Space-travel Power Plant  
With Electron Accelerators

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The author proceeds from the classical thrust formula of the rocket,  
 $m a = F = \sum n_i \cdot m_i \cdot v_i$ , where  $n_i$  is the number,  $m_i$  the mass, and  $v_i$  the  
velocity of particles ejected per second. Substituting the ion mass  
of the propellant of atomic weight  $A$  and the velocities (taken from the  
formula of kinetic energy:  $m v^2/2$ ) in electrical units, the thrust is  
expressed in terms of accelerating voltage ( $V$ ) and current intensity.  
From this results the formula of rated power and of the ratios of  
power/mass and specific power/thrust in kiloponds. The calculation of  
the output current and of the specific propellant consumption leads to  
the formula of specific propellant momentum, which is also that of the  
specific momentum of the entire power plant:  $I_{sp} = 1417 \sqrt{V/A}$  kp sec/kp.

The  $V/A$  ratio (accelerating voltage versus atomic weight of the  
propellant), the total weight of the rocket, and the ratio of thrust  
versus rocket weight are the most important characteristics of the ion  
rocket. Further practical data are obtained from the classical rocket  
formula:  $\Delta v = v \ln m_0/m_1$  ( $m_0$  = takeoff weight,  $m_1$  = empty weight).

X

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The Ion Rocket - Space-travel Power Plant  
With Electron Accelerators

H/016/61/011/001/001/003  
B009/B057

The author's final conclusion is that ion-rocket power plants can be designed and installed in spacecraft only if electric energy sources of adequate power are found. According to Moeckel, the calculation of a Venus-probe manned spacecraft of 90 t payload is presented as an example: With a chemical propellant ( $I_{sp} = 300$  sec), the takeoff weight would be 3000 t; with a nuclear-powered thermal rocket ( $I_{sp} = 800$  sec), it could be reduced to 300-400 t, and with an ion rocket ( $I_{sp} = 10\ 000$  sec), to 180 t. Finally, according to E. Stuhlinger, data on ion rockets for various space-exploration assignments (earth satellites, moon and earth-planet probes, interplanetary probes) are tabulated. The author's conclusion is: While putting into orbit 1 kg of an earth satellite, 50-200 kg of takeoff and carrying rocket weight are required, so that the space exploration assignment of the example quoted appears impossible with a chemical propellant, with the aid of an ion rocket we approach the domain of possibilities. There are 4 figures and 4 tables.

Card 3/3

NAGY, Erno, gepeszmernok (MKCA. ENYA.)

Joint heroic deed of science and courage. Munka 11 no.5:32-33  
My '61.

TECH. NATURAL SCIENCES SOCIETIES - FEDERATION OF ASTRONAUTICAL  
1. Műszaki és Természettudományi Egyesületek Szövetsége, Asztronautikai  
osztályának, titkara. [MTE SZ]  
DEPT, SEBY.

(Gagarin, Yurii Alekseevich)  
(Russia--Space flight)

NAGY, Erno

Ion rockets; propulsions working with electronic acceleration  
devices for space flights. Fiz szemle 11 no.11:3-12 Ja '61.



NAGY, Erno

Lexicon of astronautics. Fiz szemle 11 no.11:324-337 N '61.

NAGY, Erno

Double current gas turbine jet-propelled transmission. Repules  
14 no.1:9 Ja '61.

NAGY, Erno

The growth of the family of aeroplanes. Repules 14 no.2:13 F '61.

NAGY, Erno

Astronomical artificial moons on the agenda of space research. Musz  
slot 15 no.26:12 '61.

NAGY, Erno

Expansion of the use of infrared rays. Musz elet 16 no.4:1 '61.  
(EEAI 10:7)

(Infrared rays)

~~NACY - Enno~~

The flight of man in space; Soviet space-biological experiments of  
great significance. Musz elet 16 no.6:3 Mr '61. (EEAI 10:5)  
(Russia--Artificial satellites)

NAGY, Erno

The first man returned from space. Musz elet 16 no.8:3 Ap '61.  
(EEAI 10:9)

(Russia--Astronauts) (Gagarin, IUrii)

NAGY, Erno

On the way toward Venus. Elet tud 16 no.9:259-262 26 F '61.



NAGI, Erno

Some details of interest about the flight of Vostok. Mass elot 16  
no.10:7 '61. (EEAI 10:7)

(Russia—Astronauts) (Gagarin, IUrii)

NAGY, Erno

The future of air transportation. Musz elet 16 no.12:1 Je '61.  
(EAI 10:9)

(Aeronautics)

NAGY, Erno

The Vostok-2. Musz elet 16 no.17:1-2 Ag '61.

(Space flight)

PAPP, Balint; NAGY, Erno

Following the astronaut's path. Elet tud 16 no.17:515-518 23 Ap '61.

NAGY, Erno

Soviet guided-missile experiments in the Pacific Ocean. Musz elet 16  
no.23:11 N '61.

NAGY, Erno

The Saturn project. Musz elet 16 no.25:6 D '61.

NAGY, Erno

How is a rocket controlled? Elet tud 16 no.33:1035-1038 13 Ag '61.

NAGY, Erno

The future of space flight. Elet tud 16 no.41:1288-1291 8 0 '61.



NAGY, Erno

Needle ring in the space. Elet tud 16 no.49: Suppl. Tarkatudomány  
2 no.25:199 3 D '61.



3,2300

H/016/62/000/003/003/C03  
D249/D301

AUTHOR: Nagy, Ernő

TITLE: Physical foundations of experiments made with artificial satellites I

PERIODICAL: Fizikai szemle, no. 3, 1962, 81-85

TEXT: Phenomena on which the various physical experiments with artificial satellites are based, their theoretical foundations and technique of measurements are discussed. The review is primarily based on a book 'Soviet sputniks and space rockets' by S.G. Aleksandrov and R.Ye. Fyodorov [Abstracter's note: Russian title not given]. This part of the paper discusses high altitude measurements of the atmosphere made with rockets, (composition of the atmosphere and measurements of pressure, density and temperatures). Between 1951 and 1958 the Department of Applied Geophysics of the AS USSR made systematic studies of the composition of upper atmosphere. Samples were taken during the flight of rockets which were spectrographically analyzed. It was confirmed

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Physical foundations of experiments ... H/016/62/000/003/003/003  
D249/D301

that the separation of gases due to gravitational forces takes place at the height of 80-100 km. Since the velocity distribution of the gas molecules in the upper atmosphere of the earth is Maxwellian, the temperature, pressure and density of the air can be determined by using the equation of state of the ideal gases. The equation for the hydrostatic pressure is valid at these heights. Using these two relations only one of the variables has to be measured. The measurement of pressure and temperature by a fast moving rocket is problematic since not the characteristics of a stationary medium but those of a gas stream are determined. To eliminate the disturbing factors arising from the movement of the rocket, wind tunnel measurements were made to determine positions on the rockets where the measured and true values of the thermodynamical parameters are equal. Measuring instruments are located at these positions. The results of wind tunnel measurements are reviewed. An important problem of the physics of the upper atmosphere is the relation between the kinetic and rotational temperatures of the gas molecules. Simple problems such as the variation of density with height, the relation between temperature, density and molecular composition

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Physical foundations of ...

H/O16/62/000/003/003/003  
D249/D301

have not yet been solved. The results of measurements made with rockets permit the assumption of a physical model of the upper atmosphere. This model is based on the following experimental findings: 1) The pressure, density and temperature of air must be in relation with the results of measurements taken up to the height of 100 km by rockets. 2) Molecular oxygen begins to dissociate into atomic oxygen from the height of 90 km. 3) The dissociation of molecular nitrogen begins above 200 km. 4) The concentration of  $O_2$  and  $N_2$  decreases exponentially with altitude. 5) The kinetic gas temperature is assumed constant in the exosphere. In the lower parts of the exosphere it must be above  $500^\circ K$  and below  $2000^\circ K$ . 6) The density of neutral particles must correspond to the measured values of the ionosphere. At the critical level this must not be less than  $10^7$  particles/cm<sup>3</sup>. 7) The diffusive separation of gases is not considered. Based on the above, Vernov and Aleksandrov determined the values of the characteristic constants of air at high altitude. These are tabulated and compared with those of the American ARDC given for the NACA standard atmosphere. In a further table the results of measurements taken by artificial satellites are given. There are 2 tables.

ASSOCIATION: ELTE megb. elhadó (R. Eötvös University of Science)  
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3,2300

H/016/62/000/005/002/002  
D249/D307

AUTHOR: Nagy, Ernő

TITLE: Physical foundations of the experiments made with artificial satellites III

PERIODICAL: Fizikai szemle, no. 5, 1962, 152-157

TEXT: Principles of the following four experiments are reviewed. 1) Measurement of the density of the atmosphere by a study of the orbit of the artificial satellite. 2) Some important aspects of methods for measuring pressure and density by the pressure measuring instruments placed on the artificial satellite. 3) Principle of operation of a high frequency mass spectrometer. 4) Methods of measurement of the positive ion concentration on the artificial satellites.

ASSOCIATION: ELTE (R. Eötvös University of Science)

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Card 1/1

NAGY, Erno, gepeszmernok (Budapest)

The jet power plants of the future. Pt.1. Term tud kozl 5 (93)  
no.3:99-102 Mr '62.

NAGY, Erno

Beginnings of metallurgy. Technika 6 no.1:11 Ja '62.

NAGY, Erno

Prehistory of iron and steel. Technika 6 no.2:11 F '62.



NAGY, Erno

Passenger rocket planes. Technika 6 no.3:1 Mr '62.

NAGY, Erno

In the defense of the Technical Inspection Department. Technika 6  
no.8:3 Ag '62.

NAGY, Erno

Space rendezvous. Technika 6 no.9:1 S '62.

NAGY, Erno, gepeszmernok

The renaissance of direct current. Technika 6 no.10:6-7,11 0 '62.

NAGY, Erno, gepeszmernok

Control of rockets. I. Term tud kozl 6 no.11:489-491 N '62.

I. Termeszetudomanyi Kozlony" szerkeszto bizottsagi tagja.

NAGY, Erno, gepeszmernok (Budapest)

Control of rockets. II. Term tud kozl 6 no.12:546-548 D '62.

1. "Termeszetudomanyi Kozlony" szerkeszto bizottsagi tagja.

NAGY, Erno

Once more on the Soviet rocket experiments in the Pacific Ocean  
area. Muaz elet 12 no.1:5 Ja '62.

(Russia—Guides & missiles)

NAGY, Erno

Remarks about the chaos around the specific impulse. Fiz szemle  
12 no.2:41-43 F '62.



NAGY, Erno

Physical foundations for experiments in connection with  
artificial moons.II. (To be contd.) Fiz szemle 12 no.4:124-127  
Ap '62.

1. Eotvos Lorand Tudomanyegyetem megbizott eloadoja, Budapest.

H/016/62/000/006/001/001  
D249/D308

AUTHOR: Nagy, Ernő

TITLE: Physical foundations of the experiments performed with artificial satellites

PERIODICAL: Fizikai szemle, 12, no. 6, 1962, 185 - 189

TEXT: The principles of the following three experiments are reviewed: 1) Method of measuring the electrostatic field of an upper atmosphere and of the charge of the satellite: It is shown that the accuracy of the measurement of the potential depends on the knowledge of the chemical composition of the ionosphere, the velocity and position of the satellite. The principle of the measurement of charge of the satellite surface is described. The collector electrode of an electrometer is connected to the surface of the satellite through a resistor. The collector electrode is screened periodically, the constant field strength on the surface changes into pulsating field which results in a current passing through the resistor. 2) Theoretical foundations of the method used for the study of the collision frequency with micro-meteorites: Based on the Poisson-distribution  
Card 1/2

H/016/62/000/006/001/001  
D249/D308

Physical foundations of the ...

a formula is deduced by which the time intervals can be estimated where the probability of collisions is  $1/2$ ,  $1/100$ ,  $1/1000$ , etc. It is important to know the mass and velocity spectra of the micro-meteorites colliding with the satellite. This depends on the quantity measured by the instrument sensor in contact with the colliding particles. Instruments with a piezo-electric sensor measure the energy of the particles. 3) Theoretical foundations of the experiments studying the short wave spectrum of the sun: Relations are reviewed on which the calculations of the energy distribution in the ultraviolet region of the solar spectrum (2000 Å - 3000 Å wavelengths) were made by de Jaeger. ✓

ASSOCIATION: Eötvös loránd tudományegyetem (Eötvös University of Sciences)

Card 2/2

NACX, Expo

Semiconductors. Munka 12 no.8:36 Ag '62.

NAGY, Erno

Space sciences. Munka 12 no.11:13 N '62.

NAGY, Erno

Operations research. Munka 12 no.12:33 D '62

NAGY, Erno

Anna, the geodetic artificial moon. Musz elet 17 no.24:6 22 K '62.

NAGY, Erno

Rocket power plants of a new type. Musz elet 17 no.3:14 F '62.



NAGY, Erno

The moon, a future working place for men. Elet tud 17 no.3:71-74 Ja  
'62.

NAGY, Erno

The first American space flier. Musz elet 17 no.5:7 Mr '62.

NAGY, Erno

The global rocket. Musz elet 17 no.8:13. Ap '62.

NAGY, Erno —

Testing space rockets before the start. Musz elet 17 no.11:7  
24 My '62.

NAGY, Erno

Two Vostoks in the space. Muz elet 17 no.17:1 16 Ag '62.

NAGY, Erno

Some interesting lessons from the space flight by pairs. Musz  
elet 17 no.18:5 30 Ag '62.

NAGY, Erno

A letter from Farnborough on the air show. Musz elet 17 no.20:4 27 S  
162.

NAGY, Erno

The third American spaceflight. Musz elet 17 no.21:6 11 0  
'62.



NAGY, Erno

The most peculiar engine; perspectives of the development of  
rocket engines. *Misz elet* 17 no.22:1, 10 25 0 '62.

NAGY, Erno

The newer stage of space science; deploration of Mars. *Musz*  
elet 17 no.23:1 8 N '62.

NAGY, Erno

Mounting of space stations. Elet tud 17 no.33:1026 19 Ag '62.



NAGY, Erno

Meteorological artificial moons. Zlet tud 17 no.38:1194-1197  
23 S '62.

L 1693-66 EWT(d)/FSS-2/EWP(v)/EWP(k)/EWP(h)/EWP(b)/EWP(l)/ETC(m)/FBD W4/ERS/AST

ACCESSION NR: AT5013657

HU/0000/62/000/000/0033/0068

AUTHOR: Nagy, Erno (Mechanical engineer, Secretary of central special section of astronautics)

TITLE: Technical potentials of space research in the sixties

SOURCE: Az urrepules es a tudomany; tanulmanyok az urrepules fizikai, technikai, csillagaszati, ilettani es jogi problemairol (Space flights and science; articles on flight physics, technology, astronomy, biology, and legal problems), Budapest, KK, 1962, 33-68

TOPIC TAGS: space research, space program

ABSTRACT: Some of the objectives of space research in the sixties are discussed. The following areas are likely to be involved in such research programs: study of the Earth's atmosphere, communication with the aid of satellites, study of the radiation zones around the Earth, study of cosmic radiation reaching Earth and its effects, observation of the Moon and possible lunar landing, development of advanced launching rockets, study of rocket guidance systems, research on space vehicle control, research on telemetry, applications of electronic computers, development of more reliable and sophisticated instrumentation, development of power supplies for spacecraft, improvement of tracking systems and methods, study Card 1/2

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of spacecraft communications, nuclear propulsion studies, investigations on spacecraft landing methods, and development of advanced fuels. Some announced U.S. and Soviet projects are discussed. Orig. art. has: 7 figures.

ASSOCIATION: METESZ Kozponti Asztronautikai Szakosztalya (Central Department for Astronautics, METESZ)

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Card 2/2 *SP*

NAGY, Erno

Selected good advice from the field of the light and heavy industries.  
Technika 7 no.1:8-9 Ja '63.



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Helium in the high atmosphere of the earth. Term tud kozl 7  
no.1:39 Ja '63.

1. "Termeszettudomanyi Kozlony" szerkeszto bizottsagi tagja.

NAGY, Erno

LASER, th miraculous beam of light. Technika 7 no.6:1,8  
Je '63.

NAGY, Erno

Television artificial satellites. Technika 7 no.6:8-9 Je '63.

NAGY, Erno, gepeszmernok (Budapest)

Space flight to the moon. Ft. 1. Term tud kozl 7 no.7:293-  
295 J1 '63.

1. "Termeszettudomanyi Kozlony" szerkeszto bizottsagi tagja.