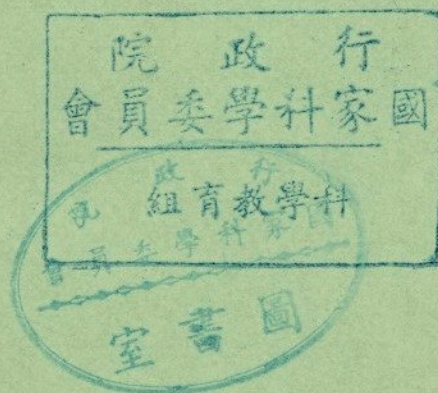

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After the reorganization the chairman and the vice-chairman are appointed by the Executive Yuan at the recommendation of the Committee for Science Development, National Security Council. The membership of NSC consists of 25 to 30 members appointed by the Executive Yuan at the joint recommendation of the chairman, vice-chairman, Academia Sinica, Ministry of Education, Ministry of National Defense, Ministry of Economic Affairs, Ministry of Communication, Council for International Economic Cooperation and Development, and Joint Commission on Rural Reconstruction. The original Executive Committee has become the present Standing Committee, whose five members are appointed by the chairman from among the members of NSC.

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In addition, each National Research Professor (to be described below) may apply for an annual research subsidy of NT\$ 20,000. Altogether 55 National Research Professors (including 2 National Research Professors of Hu Shih Memorial Fund) are created in FY 1968. The subsidies for the research scholars are amounted to NT\$ 1,034,934.50 the past year, the total amount of the research funds and the subsidies allocated to the National Research Professors comes to NT\$ 12,311,908.18.

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Moreover, altogether 41 semi-annual grants are approved this year. Of such grants, the number in Mathematics and Physical Science is 5 Class A and 6 Class B, the number in Biological Sciences is 12 Class A and 8 Class B, and the number in Humanities and Social Sciences is 6 Class A and 4 Class B.

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A total of 15 Special Chairs are appointed by NSC in FY 1968, of which one is for the academic year 1966 and 14 for the academic year 1967. Of the Special Chair Professors, 4 work with Mathematics Research Center, 2 with Chemistry Research Center 1 with Physics Research Center, 1 with Biology Research Center, 4 with Engineering Research Center, 1 with both National Taiwan University and National Tsinghua

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A total of 60 National Visiting Professorships are created by NSC in FY 1968. Of these professors 34 are approved to lecture in Academia Sinica, National Taiwan University, National Tsinghua University, College of Engineering in National Chiao-tung University, College of Science in National Chungyang University, Provincial Chunghsing University, and National Defense Medical Center, respectively; and 26 are approved to lecture in Mathematics Research Center, Chemistry Research Center, Physics Research Center, and Engineering Research Center of Academia Sinica.

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7. Subsidies for Publication of Academic Periodicals

Subsidies amounting to NT\$1,178,250 were granted to 67 academic periodicals, of which 9 were in Mathematics and Natural Sciences, 19 were Biological and Medical Sciences, 31 in Humanities and Social Sciences, and 8 in Engineering and Applied Sciences.

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Another center, Agriculture Research Center, in addition to the five above, was established through the joint efforts of NSC and the Joint Commission on Rural Reconstruction in FY 1968, for which the latter has contributed NT\$ 10,000,000 and NSC has appropriated NT\$ 5,000,000 as its matching fund.

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The promotion of science education at various educational levels is the new function added to the responsibilities and activities of NSC after its reorganization. The budget was increased by NT\$ 3,600,000 to serve the following purposes:

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Union Industrial Research Institute	
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Bureau of Commodity Inspection and Quarantine	
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1. Studies of the Bronze Ting-Caldrons

Chi Li 李濟

Director of Institute of History and
Philology, Academia Sinica

2. Proposed Revisions of Chiao Shun's Annotated Edition of the Works of Mencius

Tze-shui Mao 毛子水

Professor of National Taiwan Uni-
versity

RESEARCH CENTERS

NATIONAL RESEARCH PROFESSORS

Mathematics Center

1. Some Methods of Summation of Infinite Series and Fourier Series

Fu-cheng Hsiang 項黼宸

Professor

Chemistry Center

2. NMR Studies on Physico-Chemical Properties

Wei-Chuwan Lin 林渭川

Professor

3. Physico-Chemical Studies on the Electrolytic Behavior of Titanium (III) and Germanium (II) Ions in Aqueous Solutions

Kuan Pan 潘貫

Professor

4. Studies on the Organosilicon Compounds

Sheng-Lieh Liu 劉盛烈

Professor

5. Study of the Natural Products

Yau-Tang Lin 林耀堂

Professor

6. I. Properties of 5'-Nucleotidase from Formosan Cobra Venom
II. Molecular Weight Estimation by Gel Filtration

Tung-bih Lo 羅銅壁

Professor

7. Studies on Heterocyclic Compounds

Fa-ching Chen 陳發清

Professor

8. Teichoic Acid in Cells of Bacteria

Nganshou Wai 魏岳壽

Research Fellow & Director

9. I. Reactions of N, N-Dibromobenzenesulfonamide with Conjugated Carbonyl Compounds
II. Reactions of Nitrophthalic Acids and of Tetrahalophthalic Acids in Dimethyl Sulfoxide

Chao-tung Chen 陳朝棟 Research Fellow

10. Formation of Phenolics in Plants

Chao-Hwa Yang 楊照華 Professor

11. Radiochemical study on Rarer Elements

Ying-mao Chen 陳英茂 Professor

12. Electrometric Studies on Kinetics of Chemical Reaction

Zui-feng Lin 林瑞縫 Professor

Physics Center

13. Energy and Angular Distribution of Alpha-Particles in the $N^{14}(n, \alpha)B^{11}$ Reaction at 14.1 Mev.

Yuin-chi Hsu 許雲基 Professor

14. The Waveguide with Spherical Corrugations

Wolfgang Kroll 克洛爾 Professor

15. Crystallography

Chi-hsiang Wang 王企祥 Professor

16. Determination of Frequency Spectra of Aluminum Crystal

Jenn-Lin Hwang 黃振麟 Professor

Engineering Center

17. Polarographic Studies of Uranyl Ion in Various Chelating Agents

Tsai-Teh Lai 賴再得 Professor

Biology Center

18. I. Isolation of Alien Additional Lines in Rice (continued)
II. Cytological Studies of Taiwan Variety of Wild Silkworm Bombyx mandarina

Hsien-wen Li 李先聞 Research Fellow

19. Biosynthesis of Cell Wall Polysaccharides in Higher Plants (continued)

Jong-ching Su 蘇仲卿 Research Fellow

PROFESSORS AND ASSOCIATE PROFESSORS

Mathematics Center

1. On Some Application of Homological Algebra in Algebraic Topology

Kung-sing Shih 施拱星 Professor

2. Some Special Banach Modules

Ju-kwei Wang 王九達

Professor

3. On $W(q, \alpha)$ Summability of Series of Legendre Polynomials**Hsing-ming Li** 李新民

Professor

4. Non-Algebraic Approach to the Theory of Algebraic Numbers

Tao-ning Hsu 徐道鄰

Professor

5. Study of Recursive Functions

Shih-Chao Liu 劉世超

Research Fellow

6. On Dedekind Sums in Algebraic Number Fields

Lung-chi Miao 繆龍驥

Associate Professor

Chemistry Center

7. Studies on Metal Chelates of 8-Hydroxyquinoline-1-oxide

Peng-Joung Sun 孫炳榕

Associate Professor

8. Study of the Extractive Constituents from the Leaves of *Chamaecyparis formosensis***Yu-Shia Cheng** 鄭玉瑕

Associate Professor

9. Polyamide Layer Chromatography of Amino Acid and Nucleotides

Kung-Tsung Wang 王光燦

Associate Professor

10. Study on the Synthesis of Flavonoids

Ching-te Chang 張錦得

Professor

11. Study on the Gas Adsorption Isotherms of Formosan Clays

Kun-Huang Hwang 洪崑煌

Associate Research Fellow

Physics Center

12. Further Experimental Study on the Ionized Atomic Spectra of Na II, Mg III, Zn, and C by Applying a Home-equipped 3.4-meter Ebert Spectrograph

Po-chuan Tsui 崔伯銓

Associate Professor

13. On the Theory of Roton Scattering of Bubble-Electron in Liquid Helium

Shou-Yih Wang 王守益

Associate Professor

14. An Extended Lee Model with Indefinite Metric

Ching-tang Chen-Tsai 陳蔡鏡堂

Associate Professor

15. Properties of Bismuth Thin Film

Yu-Tung Yang 楊毓東

Associate Professor

16. Study of C- and CP- Violating Interactions

Yee-yen Lee 李怡巖

Professor

Engineering Center

17. A Study on Two Groups of the Hypereutectic Al-Si Alloys Modified with P and Na for Practical Casting Use
Tse-hong Loh 陸志鴻 Professor
18. Study on Analysis of Folded Rectangular Plate Structures
Chao-Chung Yu 虞兆中 Professor
19. Gas Chromatographic Analysis of Butadinene and Related Compounds
Shih-Chang Li 李詩長 Professor
20. Study of Root Locus of Linear System with Transport Lag
It-Bau Huang 黃乙卯 Professor
21. Design and Fabrication of a Weather Satellite Tracking System
Chu-I Chang 張去疑 Professor

Biology Center

22. Photoperiodic Studies on Rice: X. The Night Temperature in Relation to the Photoperiodic Induction
Ching-jiang Yu 于景讓 Professor
23. Pollen Grains of Formosan Plants: II. Araliaceae, Cornaceae, and Umbelliferae
Tseng-chieng Huang 黃增泉 Associate Professor
24. Studies on the Bacteriophages of *Xanthomonas Oryzae*
Tsong-teh Kuo 郭宗德 Associate Research Fellow
25. Studies on the Analysis of Covariances
Wai-yuan Tan 譚外元 Associate Research Fellow

RECIPIENTS OF RESEARCH GRANTS

Mathematics Center

Class A

1. On Abelian Varieties over Theta-function with Rational Characteristic
Kuang-yau Hsu 許光燿 Associate Research Fellow

Class B

2. On the Relation between (N, P, q) and (\bar{N}, P) Method of Summability
Ming-chuan Chen 陳明傳 Assistant
3. Representations of Modular Groups and Modular Forms
Chang-keng Shen 沈長庚 Lecturer

4. Is Every Slice Knot a Ribbon Knot?

Fu Hsu 徐復

Lecturer

5. On $W(q, \alpha)$ Summability**Wei-nung Liu** 劉慰儂

Lecturer

6. Non Abelian Categories

Tung-sheng Lai 賴東昇

Lecturer

7. The Group Representation Theory & Its Application in the Classification Problem of Multiply Transitive Groups

Kuo-nan Chang 張國男

Lecturer

Chemistry Center**Class A**

8. Spectrophotometric Study on Uranyl Ferem Chelate

Tung-ming Hsu 許東明

Professor

Class B

9. A Study on Phenyl Cholesteroxysilanes

Mei-huei Yang 楊美惠

Lecturer

10. The Synthesis of Azulene Derivatives from Troponoid

Pao-wang Yang 楊寶旺

Lecturer

11. NMR Studies on the Inter Molecular Association—Chloroform and Dimethylsulfoxide System

Shih-ching Tsai 蔡石津

12. Reaction of Tetrabromophthalic Acid in Dimethyl Sulfoxide

Shou-Jeng Yen 顏守眞

Assistant

13. Extractive Compounds from the Wood of *Taiwania Cryptomerioides* Hayata, Study of Essential Oil**Yueh-hsiung Kuo** 郭悅雄

Assistant

14. Studies on the Synthesis of Flavonoid Compound

Chung-ho Chen 陳中和

Assistant

Physics Center**Class A**

15. Spontaneous Magnetization of Palladium Iron Alloys

Sheng-heng Fang 方聲恒

Professor

16. Crystal Structure of $\text{Sc}(\text{C}_6\text{H}_5)_3$ **Tseng-chi Li** 李曾通

Associate Professor

Class B

17. Study of the Nuclear Reaction of the Mg^{25} (d, p) Mg^{26}
Ming-chien Wang 王明建 Lecturer
18. Study of $\text{Mg}^{26,24}$ (d α) $\text{Na}^{24,22}$ $\text{Mg}^{26,24}$ (d, p) Nuclear Reaction and Structure
Chu-tsun Hsu 徐竹村 Lecturer
19. The Study of the Mg^{26} (d, α) Na^{34} and Mg^{24} (d, α) Na^{22} Reaction
Tan Chiao 焦 塋 Assistant

Engineering Center

Class A

20. Research on Ionospheric Drifts
Kwang-Hong Pai 白光弘 Professor
21. Research on Ionospheric Drifts
Jih-chen Ma 馬志欽 Associate Professor
22. Sub-maximum Searching Method
Yung-cheng Chao 趙榮澄 Associate Professor
23. Kinetic Studies of Heterogeneous Isotopic Exchange Reaction: Isotopic Exchange of Calcium Ion and Calcium Carbonate
Ting-chia Huang 黃定加 Associate Professor
24. The Evaporation Resistances of Mixed Monolayers of Non-ideal Surface Solution of Long-chain Normal Alcohols, Acids and Esters
Meng-kun Lu 呂銘坤 Professor
25. Study of Organic Structure via Mercury-Sensitized Photolysis and Gas-liquid Chromatography
Chien-yu Tsao 曹簡禹 Professor
26. Analysis on Heat Radiation in The Furnace of Boilers with Water Walls
Cheng-sheng Chang 張正生 Associate Professor
27. Investigation of II-V Group Compound Semi-conductor
Tien-shou Wu 吳添壽 Associate Professor
28. Studies on Elasticity, Creep and Extensibility of Air-entrained Concrete under Loading
Yin-mou Wang 王櫻茂 Associate Professor
29. Research on Harnessing the Energy of Ocean Waves
Cheng-wu Chiang 姜承吾 Associate Professor
30. A Study on Acute Toxicity of Metallic Wastes to some Freshwater Fishes in Taiwan
Jao-fuan Kao 高肇潘 Associate Professor

31. The Logical Design of an Instruction-formations in a Multiple-instruction Type General-Purpose Digital Computer
Pun-Yuang Huang 黃本源 Associate Professor
32. Analysis on Heat Radiation in the Furnace of Boilers with Water Walls
Tien-shou Su 蘇添壽 Associate Professor
33. Investigation of II-V Group Compound Semi-conductor
Jih-shaw Tzeng 曾繼紹 Associate Professor
34. The Design of a Small Special-Purpose Electronic Digital Counter
Wei-sung Chang 張維松 Associate Professor
35. Microwave IMPATT Diodes
Ting-hsun Wen 溫鼎勳 Professor
36. Investigation of the Characteristics of Ga As Laser
Shing-chung Wang 王興宗 Associate Professor
37. A Study on Semiconductor Surface States
Chun-yen Chang 張俊彥 Associate Professor
38. Research on Ionospheric Drifts
Chao Hsu 許照 Professor

Class B

39. Polargraphic Studies of Uranyl Chelate
Chung-yu Chen 陳宗宇 Lecturer
40. The Evaporation Resistances of Mixed Monolayers of Non-ideal Surface Solution of Long-Chain Normal Alcohols, Acids and Esters
Jeng-feng Kuo 郭人鳳 Lecturer
41. A Study on the Catalytic Esterification in the Liquid-Solid Fluidized Beds
Hung-shan Weng 翁鴻山 Lecturer
42. A Study on Acute Toxicity of Metallic Wastes to some Freshwater Fishes in Taiwan
Chun-teh Li 李俊德 Lecturer
43. Translation Machine (from English to Chinese)
Hui-jan Wang 王惠然 Lecturer
44. The Logical Design of an Instruction-formations in a Multiple-instruction Type General-Purpose Digital Computer
Fang-chu Kung 孔蕃鉅 Lecturer
45. Investigation of II-V Group Compound Semi-conductor
Chung-chuang Wei 魏炯權 Lecturer
46. The Design of a Small Special-Purpose Electronic Digital Counter
Tsing-chun Hsieh 謝清俊 Lecturer

- ## Biology Center

59. Fine Structure of Nutritional Requirement Gene in in *Piricularia oryza*
Hsin-kan Wu 吳信淦 Associate Research Fellow

60. An Attempt to Grow Anticeptic Cultures of *Haplomitrium blumii* in Artificial Media under Controlled Environment
Pao-yu Yang 楊寶瑜 Professor

61. Histological Study on the Adventitious Roots of *Ceratopteris pteridoides*

You-long Chiang 江有龍

Associate Professor

Class B

62. Sucrose Synthesizing Enzymes in Bamboo Shoots

Ti-sheng Lu 盧棣生

Assistant Research Fellow

63. Studies on the Quantitative Inheritance in a Diallel Cross of *Oryza Sativa*, L.
II. Genetic Analysis for Panicle Length, Number of Panicle, Number of Spikelets
per Panicle and Tiller Number in F_1 Progeny

Hong-pang Wu 鄔宏藩

Assistant Research Fellow

64. Glucoseamine Metabolism in Bamboo Shoots

Ching-san Chen 陳慶三

Assistant Research Fellow

65. Induced Mutations of Microorganisms for the Production of Essential Amino Acids

Ching-luan Chen 陳金鑾

Assistant Research Fellow

66. Identification of 70% Ethanol Soluble Photossimilation Products of $C^{14}O_2$ in Marine
Red Alga *Porphyra crispata*

Yao-huei Lin 林耀輝

Assistant Research Fellow

67. A Paper Chromatographic Study on the Distribution of Polyphenolic Compounds
in the Strains of the *Oryza Perennis*

Lin Wu 吳麟

Technical Assistant

68. Enzymic Synthesis of Radioactive Sugar Nucleotides

Shou-fang Yuan 袁守方

Assistant

69. Histochemical Study on the Root Apical Meristem of *Ceratopteris thalictroides*

Shu-hua Tsai 蔡淑華

Lecturer

70. The Study on Taiwan Pinks

Tsing-chang Chuang 莊清漳

Lecturer

71. A Study of Thermo-Neutron Induced Chromosome Aberrations in *Sorghum Purpureo-sericeum*

Ta-pen Wu 吳大本

Lecture

UNIVERSITIES, COLLEGES, AND OTHER INSTITUTIONS

MATHEMATICAL AND PHYSICAL SCIENCES

NATIONAL RESEARCH PROFESSORS

National Taiwan University

1. A Synthetic Study with Natural Pectolite and Its Bearing on the Hydrothermal Alteration of Basic Igneous Rocks

Veichow C. Juan 阮維周 Professor

2. The Two Fundamental Laws of Earth Evolution

Ting-Ying H. Ma 馬廷英 Professor

National Tsinghua University

3. Chemical Behavior of Nuclear Recoil Products Following (n, α) Reaction

Si-jung Yeh 葉錫溶 Professor

Taiwan Provincial Chengkung University

4. Reactions of Semiionic Oxygen: III. Reaction of Alcohol with DMSO in the Presence of a Metal Acetate-A Novel Aldehyde and Ketone Synthesis

Ming-pung Tien 田明朋 Professor

RECIPIENTS OF RESEARCH GRANTS

Academia Sinica

Class B

1. The Effect of Copper Ion on the Decomposition of Urease Irradiated with Radiation Energy

Shu-chen Sung 宋淑貞 Assistant Research Fellow

2. Glycyl dipeptides and Leucyl dipetides Hydrolyzed by the Intracellular enzyme of Muccor

Shuh-ming Chang 張曙明 Assistant Research Fellow

3. Radiation Effects on Gold Sol Formation

Jy-Shih Wang 王士士 Assistant Research Fellow

4. The Reaction of Sulfhydryl Groups in Hexokinase with Para-chloromercuribenzoate
Hui-yin Yuan 阮慧英 Assistant
5. Measurement of Cellulase Activity of *Asp. niger* towards Carboxymethylcellulose
Chi-Chuen Yang 楊啓春 Assistant
6. Synthesis of α -Alanine and the Separation of D,L-Alanine by the Action of Acylase
Che-Chu Fu 傅啓助 Assistant

National Taiwan University

Class A

7. Continental Terrace: Its Initiation, Growth, and Destruction
Chao-siang Wang 王超翔 Professor
8. The T'ouk'eshan Group in Central Taiwan
Chao-chi Lin 林朝榮 Professor
9. "Wenshih (Veined Stone)" from the Penghu Islands, Taiwan
Chun-Kiang Huang 黃春江 Professor
10. Chlorites from the Crystalline Schists of Taiwan
Yuan Wang 王源 Professor
11. A Study on the Characteristic Properties of Water Masses in the Area of Kuroshio Current
Tsu-you Chu 朱祖佑 Professor
12. On the Characteristics of Precipitation at Peng-chia-yu, Peng-hu and Lan-yu, Taiwan
Yu-chin Kang 亢玉瑾 Professor
13. The Physical Geography Foundation of Land Use in Linkow Tableland
Lu-ping Lee 李鹿苹 Professor
14. The Measurement of Evapotranspiration
Ken-chuan Chou 周根泉 Professor
15. Direct Interaction Theory of (n, α) Reactions on Light Nuclei
Ching-Ching Chang 張鏡清 Associate Professor
16. A Study on Trace Elements in Pyrite from Different Locality of Taiwan
Chang-Ching Youh 郁昌經 Associate Professor
17. Geographical Foundation of the Assam Tea Region Development in Nan-tou Hsien
Hung-wen Wang 王洪文 Associate Professor
18. On Typhoon Forecasting
Li Peng 彭立 Associate Professor
19. The Quantity Variance and Mean Values of Taiwan Rainfalls
Shih-ta Hsu 徐世大 Professor

20. The Relation between Backwater Curve and Side Slope of the Open-Channel Flow
Yen-Chi Lu 盧衍祺 Professor
21. Simplified Design Method of Composite Section in Prestressed Concrete
Yu-lin Wang 王玉琳 Professor
22. On Some Industrial Problems Connected with Controlled Atmospheres in the Heat-treatment of Steels
Pu-Shih Lu 呂璞石 Proebems
23. Dynamic Problems in Linkages
Kuang-Chow Chow 周廣周 Professor
24. On Fe-C-O Equilibrium Diagram
Chen-hsien Hwang 黃振賢 Professor
25. A Study on the Electron Mobility in Weakly Ionized Gases
Chu-hsien Lee 李學賢 Professor
26. Drop Formation Accompanied with Heat Transfer in the Liquid-Liquid System
Cheng-ching Chen 陳成慶 Professor
27. Study of Upflow Filtration with Pretreatment
Wan-fa Yang 楊萬發 Associate Professor
28. Bent Vee Antenna
Yan-Pei Wu 吳炎培 Associate Professor
29. Kinetics of the Heterogeneous Catalytic Reaction System in a Constant Flow Stirred Tank Reactor
Min-Dar Lee 李敏達 Associate Professor
30. Sediment Deposition in Reservoirs
Shou-Peng Mao 毛壽彭 Professor
31. Analysis of Application Efficiency as Related to Intake Function and Recession Function for Surface Irrigation
Charles Shih 施嘉昌 Associate Professor
32. On Periodic Structure in Solids
Der-Ruenn Su 蘇德潤 Lecturer
33. Energy Level Densities of Nuclei with Woods-Saxon Potential
Ai-Lan (Chen) Wang 王陳愛蘭 Lecturer
34. Energy and Angular Distribution of Alpha Particles in the $^{14}\text{N}(n, \alpha)^{11}\text{B}$ Reaction at 14.1 MeV
Chia-Yi Huang 黃家裕 Lecturer
35. Further Experimental Study on the Ionized Atomic Spectra of NaII, MgIII, Zn and C by Applying a Home-equipped 3.4 m Ebert Spectrograph
Le-fu Teng 鄧力夫 Lecturer

- National Tsinghua University**

49. Stability Constants of Some Divalent Metal Complexes of m-and p-phenylenediamine Tetraacetic Acid
Shu-kung Chu 朱樹恭 Professor

50. The Non-destructive Determination of the Burn-up of Irradiated Reactor Fuel Element

Chia-hsi Lin 林嘉熙

Associate Professor

51. Mossbauer Effect of Tin Compounds

Hwa-sheng Cheng 鄭華生

Associate Professor

52. A Study of Reactor Kinetics with a Simulator

Pu-yuan Ma 馬步原

Associats Professor

Class B

53. Application of Radio-isotopes and the Level Gauge

Chang-Ying Wang 王傳鏞

Technical Assistant

54. Enrichment of Molybdenum-99

Wen-ping Cheng 鄭文彬

Assistant

National Chiao Tung University

Class A

55. The Designing and Testing of Pocket Size Thermoelectric Refrigerator

Yung-wen Huang 黃永文

Associate Professor

56. The Analysis and Study by Strategy and Theory of the Optimal Adaptability Control System

Shou-chien Yen 顏守謙

Associate Professor

Class B

57. A Study of Dynamic Programming Using Digital Computer

Pi-chao Ke 葛必昭

Assistant

National Chungyang University

Class A

58. Study of the Vertical Distributions of Atmosphere Ozone over Taipei

Yuin-kwei Tai 戴運軌

Professor

59. On the Structure of thd Earth's Lower Mantle

Han-ying Lee 李漢英

Professrr

60. A Study on the Sensible and Latent Atmospheric Energy of the East China Sea in Winter

Hsueh-yi Liao 廖學鑑

Professor

Class B

61. On the the Mechanism of Formation of Blocking Heat

Chich-yuan Peng 彭致遠

Assistant

62. The Abnormal Seismic Wave Propagation in Relation to the Magnitude of Earthquake in the Taiwan Area

Chih-chen Chang 張之琛

Assisant

National Normal University

Class A

63. Research on Converting Solar Energy to Chemical Energy

John C. Wang 王成椿

Professor

64. Change of R_f Values by Impregnation in Thin Layer Chromatography

Cheng-hsia Wang 王澄霞

Professor

65. A Study of the Atmospheric Properties over Taiwan

Yen-huai Liu 劉衍淮

Professor

66. The Geographical Foundation of the Urban Development of the Taipei City

Jameson C. H. Lin 林鈞祥

Associate Professor

Class B

67. The Kinetics of the Isotopic Exchange Reaction between O-Iodohippuric Acid and Potassium Iodide in Aqueous Solution

Ching-tan Chen 陳鏡潭

Lecturer

Taiwan Provincial Chengkung University

Class A

63. Spectrochemical Analysis of Titanium and Its Alloys; Spectrochemical Analysis of Platinum (Spectrochemical Analysis in Metallurgical Industry: Part Five)

Sien-yung Wang 王先鎔

Profesoor

69. Study on the Mechanical Property of the Anisotropic Organic Semiconductor by Supersonic Pulse Waves

Shean-joung Chen 陳顯榮

Associate Professor

70. Abnormal Cryoscopy of 1,4 Dioxane Solutions

Chen-Shen Chao 趙承琛

Professor

71. Spectrophotometric Studies on the Solvent Extraction Uranium α -benzoinoximate Complex with Acetate Esters

Shou Nan Chen 陳壽南

Associate Professor

72. The Study of Boundary-Value Problems

Ting-pei Yuan 袁定培

Professor

73. Study of Analytical Aerotriangulation by Independent Models

Hui-shun Shih 史惠順

Professor

74. Studies on the Stochastic Hydrology of Runoff
Yu-Tien Chang 張玉田 Associate Professor
75. Sediment Movement due to Wave Action
Ching-ton Kuo 郭金棟 Associate Professor
76. Researches on the Relationship between Winds and Waves in Taiwan Straits
Frederick L. W. Tang 湯麟武 Associate Professor

Class B

77. Projective Properties in the One-dimensional Affine Group
Siu-shu Sung 宋秀麟 Lecturer
78. Distribution of Transverse Shearing Stresses in Curved Beams of Various Cross Sections
Ting-San Wang 王廷山 Lecturer
79. Radiant Heat-Transfer Analysis of a Full Water Wall, Cylindrical Furnace
Cheng-ping Chiu 邱澄彬 Lecturer
80. Analysis of Heat Transfer in Forced Lamina Saturated Film Boiling on Vertical Surface
Chao-kuang Chen 陳朝光 Lecturer
81. Synthesis of Statistical Control System
Yu-Yi Chen 陳有義 Lecturer
82. Analysis of the Four Moment Measures of Tsengwen River Sands, Southern Taiwan
Shih-chiao Chang 張石角 Lecturer
83. Studies of Anodic Behaviour of Lead Sulfide
Ju-Tung Lee 李汝桐 Lecturer
84. On the Stress of Fan-shaped Plates with Clamped Edges
Wan-tsuan Tsai 蔡萬傳 Lecturer
85. Analysis of Mass Transfer Cooling in Laminar Compressible Boundary Layer on a Porous Flat Plate
You-Li Chou 周有禮 Lecturer

Taiwan Provincial Chungshing University

Class A

86. Comparative Quantitative Determination of Vitamin C and Tannins from Psidium guajava L. Fruits
Li-yuan Liu 劉理遠 Professor
87. Determination of Pb and Zn in Steel by Fisher Type Polarography
Chung Chang 張駿 Professor

Class B

88. Study on Junction Problems in an Open-Channel Flow by the Method of Schwartz-Christoffel Transformation

Chih-wu Ho 何智武

Lecturer

89. Study on the Electron Transport in Preparation of Heart-Particles

Tung-Sheng Liu 劉東昇

Assistant

Tamkang College of Arts and Sciences

Class A

90. Summary on "Some Considerations on the Linear Programming"

Jing-Shing Yao 姚景星

Professor

91. A Newly Proposed Free Volume Theory of Liquids of Cell Model and Related Problems

Ping Chang 張彬

Professor

Class B

92. Synthesis of 2,3-Diphenylacrylophenones II 4'-Hydroxy-2,3-Diphenylacrylophenones

Chin-Lung Yeh 葉金龍

Assistant

93. The Large-Sample Power of Lh Test, etc.

Tien-wen Chen 陳天文

Lecturer

94. Examples on Absolute Continuity (II)

Kuo-Sheng Yang 楊國勝

Lecturer

Chung Yuan Christian College of Science and Engineering

Class A

95. Operational Calculus by Mikusinski's Method

Cheng-neng Chang 張振能

Associate Profesor

Kaohsiung Medical College

Class A

96. High Frequency Plasma Ion Source

Tsu-Chien Rieng 梁子建

Professor

Feng-Chia College of Engineering and Commerce

Class A

97. Research on the Graft Polymerization Fibre by Co⁶⁰ Gamma Ray

Bi-Feng Wang 王碧峯

Professor

Aeronautical Research Laboratory

Class A

98. Optimization of Linear Continuous and Sampled-Data Control Systems Using Maximum Principles and Dynamic Programming

Chia-Yuan Lee 李家驥

Director

99. Stress-Strain Fields Relating to Systems Analysis of Solid Propellant

Ti-chiang Lee 李迪強

Deputy Director

100. Thermal Stresses of Graphite Throat in Rocket Motor Nozzle

Mong-Lu Hsu 許夢廬

Section Chief

Class B

101. Microstructure Study of Inert Gas Shielded Welding of Titanium Alloys for Supersonic Aircraft

Ke-Mou Jao 饒克謀

Deputy Section Chief

Taiwan Provincial Taipei Junior College of Engineering

Class A

102. The Solution Polymerization of Styrene Oxide Using Zinc Chloride as Catalyst

Chia Ren Jin 金嘉仁

Associate Professor

Class B

103. The Theoretical Investigation of the Air Film Cooling Method

S. Z. Tsay 蔡旭容

Lecturer

Taiwan Provincial Kaohsiung Institute of Technology

Class B

104. A Mass Transfer Study on the Carbonation of Phenol by Kolbe-Schmitt Method

Chin Yung Shih 石清陽

Lecturer

Taipei City Teachers' Junior College

Class B

105. Studies on the Constituents of *Selinum monnieri* L.

Mei-Tseng Shih 石鏡貞

Lecturer

National Junior College of Fine Arts

Class B

106. Epitome of the Relations between Dot Area, Dot Density and Tone Value for Halftone Making

Kunti Liu 劉功第

Lecturer

Ming Hsin Junior College of Technology

107. A New Method of the Preparation of
- α
- Pyridinealdehyde

Phouti Sou 蘇弗第

Professor

Taiwan Provincial Institute of Geological Survey**Class A**

108. Volcanic Geology of the Coastal Range, Eastern Taiwan

Tsang Po Yen 顏滄波

Senior Geologist

109. A Biostratigraphic Study of the Tertiary in the Coastal Range, Eastern Taiwan, Based on Smaller Foraminifera (III: Middle Part)

Li-Sho Chang 張麗旭

Senior Geologist

110. Geology of Hsinhua-Linkou Area, Southern Taiwan

Wen-Pu Keng 耿文博

Senior Geologist

111. The Structural Analysis of the Northern Hsueshan Ranges in Taiwan

Shin-Fu Tsan 詹新甫

Senior Geologist

Class B

112. The Study on Panicle Shattering of Different Varieties

Ching-piao Wu 鄺清標

Technician

Taiwan Sugar Experiment Station**Class A**

113. Partial De-ashing and Simultaneous Decoloration by Special Ion Exchange Techniques as Means for Improving the Efficiency of the Carbonation Process in Cane Sugar Factory

Wei Chen 陳維

Head of Department

114. The Exhaustibility of Taiwan Final Molasses

Ying-Chung Cheng 鄭應春

Chemical Technologist

115. A Comparative Study of Various Solvents in Extracting and Producing Sugarcane Wax

Chung-sheng Chang 張中盛

Chemist

116. Study on Plantation Cane Sugar Manufacture by Means of Ionexchange Resin

Zwi-How Hsu 許瑞後

Chemist

117. Studies on the Extraction of Protein from Defatted Soy Bean Meal by Cellulase I. Screening and Inducing of Cultures and Assaying of Enzymatic Activities

Chung-sung Wu 吳春生

Engineer

118. Sugar Balance of Defecation Process

Chien-Jan Lu 陸鑑然

Director of Center

Class B

119. On the Chemical Composition of the Sugarcane Juice of New Variety F156
Ming-Chao Tsai 蔡明朝 Assistant Chemical Engineer
120. The Study on the Effect of Organic Non-sugar Components in the Cane Juice against Juice Clarification and the Character and the Thickness of the Muddy Juice
Hui-Chuan Tseng 曾滙川 Assistant Chemical Engineer
121. Studies on Grafting Polymerization of Vinyl Monomers in Bagasse
Huai-ching Huang 黃槐青 Assistant Chemical Engineer
122. Studies on the Production of Glucose Oxidase: Part II. On the Effectuations of Various Mineral Salts on the Production Yield of Glucose Oxidase by *Aspergillus niger* No. 36 sp. in the Culture Media
Chiang-tyaw Leu 呂江調 Assistant Chemical Engineer

Union Industrial Research Institute, Ministry of Economic Affairs

Class A

123. Cleaning of Taiwan Bituminous Coals
Kwei-shih Chia 賈魁士 Deputy Director
124. Effects of Gamma-irradiation on Ge-Surface—Influence of Gaseous Ambient during Irradiation
Kuo-ching Lin 林國經 Physicist
125. The Effect of Catalyst Poisons on the Activity of Carbon monoxide Shift Catalyst
Chien-Chou Shih 施鑑洲 Deputy Chief of Plant
126. Formation of Metal Films by Vacuum Evaporation
Cheng-Chun Tu 杜成春 Engineer
127. The Influence of the Gamma-Ray Irradiation on the Unsaturated Polyester
Wei-wen Hsu 許巍文 Section Chief
128. Minerals Separation from Sea Water—Potash Recovery from Bittern by Coprecipitation of Phosphate
Ton-Pol Tam 譚蕩波 Section Chief
129. A Study on the Stabilization of Red-Mud Heat of Taiwan Aluminum
Tao-yu Cheng 程道腴 Section Chief
130. Magnetic Amplifying Type Arc Furnace Electrodes Regulator Design and Experiment II
Tse-Hung Chao 趙澤宏 Section Chief
131. The Effect of V-Mo Catalyst on Vapor Phase Oxidation of Butenes to Maleic Acid
Feng-Liang Ho 何豐亮 Section Chief

132. Study of the Bamboo-Plastic Combinations by Use of Gamma Radiation

Ung-Ping Wang 王文濱

Section Chief

133. The Corrosion-Resistant Wash Primers from Polyvinyl Butyral Resin

Teng-Ke Jen 任騰閣

Deputy Chief of Section

134. Studies on the Stabilized Quality of Soil with Asphalt Emulsion

Shin-Shou Ma 馬鑫壽

Engineer

135. The Study on Coloring of Unsaturated Polyester Resin

Ping-Yuang Chen 陳秉源

Chemist

136. Scale-up Study of Synthetic Chlorobenzoic Acid

Ke-Min Wu 吳克敏

Chemist

Class B

137. Spectrophotometric of Trace Amount of Copper and Nickel in High Purity Thorium Compounds

Kwok-yuen Chan 陳國元

Chemist

138. Study on Optimal Holding Time of Chemical Reactor

Yao-Ching Kung 龔瑤卿

Researcher

139. Separation of the Heavy Minerals from Beach Sand of Taiwan by Flotation Method

Albert Wei Chen 陳緯

Engineer

140. The Making of Ferroelectric Substance by means of Crystallization

Cheng-teh Kung 龔政德

Engineer

141. Optical Microscopic Study of the r -irradiation Effects on Ge Surface**Lin Lee** 李琳

Physicist

(later on transferred to Tsinghua University)

Chinese Petroleum Corporation**Class A**

142. The Study of the Development of Taiwan Continental Mass

Chao-yi Meng 孟昭彝

Chief Geologist

143. Study of Formation Damage and Improvements of Well Completion Efficiency

Suyen Chain 靳叔彥

Chief Engineer

144. The Analytical Investigation on the Lower Drilling Limit in the Chinshui Field

Yi-chien Chan 詹益謙

Associate-Chief Engineer

145. Regional Stratigraphic Study of the Upper Miocene Formation in Northern Taiwan

Stanley S. L. Chang 張錫齡

Geologist

146. Reinterpretation of the Geophysical Data Obtained in the Hsinchu Area

Yu-sheng Pan 潘玉生

Deputy Section Chief

147. Regional Stratigraphy and Structure Study of the Kaohsiung Area, Southern Taiwan
Cheng-tung Chung 鍾振東 Geologist
148. Seismic Study of the Area between the Coastal Plain and the Foothills, Chia-yi, Taiwan
Pao-tsung Hsiao 蕭寶宗 Geologist
149. Biostratigraphy in the Upper Cenozoic Sections in Chiayi-Tainan Area, Taiwan
Tunyow Huang 黃敦友 Researcher
150. Photogeologic Study of the Foothills and the Coastal Plain Areas from the Chungkang-chi to the Tachia-chi, Miaoli-Taichung, Taiwan
Cheng-hui Tang 湯振輝 Geological Section Chief
151. A Stratigraphic and Sedimentary Analysis of the Miocene in Northern Taiwan
Jui-tung Chou 周瑞燦 Geological Supervisor

Class B

152. The Lower Miocene Gas Reservoirs of the Oil and Gas Fields in the Miaoli Area, Taiwan
Ming-yi Kuan 關明義 Geologist
153. Subsurface Geology of the Southern Part of the Chuhuangkeng Structure, Miaoli, Taiwan
Shih-hsiung Hsieh 謝世雄 Geologist
154. Petrographic Study of the Sandstones in the Kuantzuling Area, Taiwan
Fu-Tai Wu 吳福泰 Geologist
155. A Seismic Study of the Pingchen Anticline Taoyuan, Taiwan
Peter Chih-ming Wang 王志明 Geologist
156. Study on the Gravity Anomalies around the San-I Fault
Chin-Cheng Hu 胡錦城 Geologist
157. The Ammoxidation of o-xylene
Chung-Teh Wu 吳峻德 Engineer
158. Liquid Phase Oxidation of Benzene and Toluene with Cupric Salts
Teh-Lin Chuang 莊德鄰 Engineer
159. The Influence of 2,6-ditertiary butyl p-cresol on the Oxidation Stability of Heavy Hydrocarbons
Minnan Cheng 鄭敏男 Engineer

Bureau of Commodity Inspection and Quarantine**Class A**

160. Study of the Crystal Isolated from *Pogostemon Formosanus* Oil
Ping-hsien Yeh 葉炳賢 Senior Specialist
161. The Synthesis of Ester by Boric Acid Method and the Application of Taiwan Essential Oils
Wei-Hsieng Huang 黃維賢 Senior Specialist

Taiwan Weather Bureau**Class A**

162. A Study on the Far-East Mean Circulation Pattern during the Significant Anomaly of Monthly Weather in Taiwan
Ke-Hsun Chi 戚啓勳 Senior Specialist
163. A Study of Forecasting Cyclogenesis in Taiwan and Front Movement by 700-1,000mb Thickness Chart
Chin-Huai Hsu 徐晉淮 Senior Specialist
164. A Study of the Winter Precipitation in Taiwan and Its Relation with Cold Polar Air Out-break
Yuan-Heng Wei 魏元恒 Research Office Chief
165. Study on the Vertical Distributions of Atmospheric Ozone over Taipei
Shih-chung Lu 呂世宗 Senior Specialist
166. The Methods of Using the Data of Typhoon Radar Echoes for Weather Forecast
Jui-shan Lin 林瑞山 Observatory Station Chief

Taiwan Provincial Highway Bureau**Class A**

167. Analysis on Vibration Frequencies for Post-tensioning Prestressed Concrete Beam Bridges
Chien-ao Wu 吳建煥 Deputy Chief Engineer
168. Analysis of Engine Dynamics and Combination Method
Shang-fang Chang 張善仿 Deputy Chief Engineer
169. The Research of Auto Testing Equipment—The Design of Distributor Tester
Chang-Shou Lu 陸昌壽 Chief Lecturer

Provincial Taiwan Water Conservancy Bureau**Class B**

170. Rainfall Intensity Formulas in Taiwan
Chiping Chang 張啓濱 Assistant Engineer

Bureau of Fishery, Department of Agriculture and Forestry

Class A

171. Some Aspects of the Effects of Noise and Vibration on Board Tuna Fishing Vessels

Han-po Liu 劉漢坡

Senior Specialist

Taiwan Telecommunication Administration, Ministry of Communication

Class A

172. A Study of Echo Distortion in Frequency Modulated Microwave

Mei-Hwa Wang 王梅華

Chief of Division

Taiwan Provincial Hygienic Laboratory

Class A

173. A Chemical Investigation of Native Herbs in Taiwan

Part IV. A Study on the Chemical Constituents of *Uncaria Formosana*

Ren-tse Wang 王仁澤

Section Chief

Class B

174. Studies on the Detection of Additives in Foodstuffs

2. Thin-Layer Chromatographic Determination of Antioxidants

Shu-chi Lee 李樹其

Chemist

Taiwan Marine Products Experiment Station

Class B

175. A Study of the Fundamental Theory of Trawl-Nets and Their Accessories

Tsan-Jan Lee 李燦然

Technician

176. Study on the Aluminum Canning Process

Kuang-ching Chang 張光清

Technician

Taiwan Power Company

Class A

177. Study on the Detection of Oil Heater in Thermal Power Station

Tsang Yueh Yang 楊藏嶽

Chemical Engineer

178. Optimized Annual Reservoir Operation and Economic Planning of Hydro-thermal Systems

Chia-Huei Chou 周嘉會

Section Chief

Class B

179. Propagation Characteristics of Corona Noise Caused by Extra High Voltage Transmission Lines

Yao-hsuan Chiu 邱堯選

Engineer

Radio Wave Research Laboratories, Ministry of Communication**Class A**

180. A Study of Phase Characteristics of Long Range Very Low Frequency Transmission

Teh-sheng Chen 陳德勝

Technologist

Class B

181. Refractive Index of the Atmosphere and Effective Radius of the Earth in Taiwan

Wan-Kao Hu 胡萬考

Senior Technician

**Taiwan Provincial Executive Committee on Long Range
Flood-Control Planning in Taipei Area****Class A**

182. A Study on Stable Channel Design for Tidal River

Chi-Hsun Chu 朱啓勳

Associate Engineer

BIOLOGICAL SCIENCES**NATIONAL RESEARCH PROFESSORS****National Taiwan University**

1. Report II: On Problems of Sampling Unit (Plot) and Its Layout for Crop Trials:
-
- (1) In Reference to Rice

Chueh-ming Wang 汪厥明

Professor

2. Study on Cancerogenic Substances of Foodstuffs in Taiwan

Ta-Cheng Tung 董大成

Professor

3. Studies on Chronic Arsenicism in a Limited Area on the Southwest Coast in Taiwan
-
- (cont'd)

Shu Yeh 葉曙

Professor

4. The Change of Pituitary Gonadotrophin LH in the Ovulatory Cycle of the Domestic Ducks

Robert Chueng-Shyang Ma 馬春祥

Professor

5. Studies on the Methods for Facilitating and Promoting Soybean Breeding

Weng-tong Tang 湯文通

Professor

6. Study on the Mechanism of the Toxicity of Mimosine

Kuo-Huang Ling 林國煌

Professor

7. Alterations in Intravesical and Arterial Pressures following Hypothalamic Stimulation in Dogs

Hwai-Sze Fang 方懷時

Professor

8. Growth Hormone Secretion from the Anterior Pituitary Graft at Hypoglycemia
Ming-Tsung Peng 彭明聰 Professor
9. On the Mechanism of Neuromuscular Blocking Action of Bretylium and Guanethidine
Chuan-Chiung Chang 張傳炯 Professor
10. Oncogenicity of "Baby Taiwan Monkey Strains" of Human Adenovirus Type 12 in Newborn Hamsters
Czau-siung Yang 楊照雄 Professor
11. Neuronal Alterations in Experimental Kernicterus: An Electron-Microscopic Study on Water-Ion Exchange Disorder in Neurons and Astrocytes
Hai-chin Chen 陳海清 Professor
12. Physiology of Parasitism: IV. Amino Acid Compositions in Healthy and Rhizoctonia-Infected Mung Bean Seedlings
Lung-chi Wu 吳龍溪 Professor
13. Cardiovascular Effects of Cardiotoxin Isolated from Formosan Cobra Venom
Chen-Yuan Lee 李鎮源 Professor
14. Studies on the Pineal Gland: Fixation of the Rat Pineal Gland for Electron Microscopy
Huai-San Lin 林槐三 Professor

National Defense Medical Center

15. Diet and Fractions of Lipid in Strategic Tissue of the Dog
An-chang Liu 柳安昌 Professor
16. Correlation between Experimental Sex Differentiation & Pituitary Cytology of *Rana Catesbeiana* in Taiwan: Part I: Normal Gonadal Differentiation
Chih-yun Hsu 許織雲 Professor
17. Viscosity of Cardiac Muscle Homogenate of Hypodynamic Hearts
Chu Li 李鉅 Professor

RECIPIENTS OF RESEARCH GRANTS

National Taiwan University

Class A

1. A Study on Resistance of Ultraviolet Rays Applied Mice to *Leptospira*
Yong-Piao Liu 劉榮標 Associate Professor
2. Effect of Antenatal Nutrition Condition on the Relation between Amount of Effort and Extinction
Fayu Cheng 鄭發育 Professor

3. A Study of Changes in Voluntary Response: II. UCR Magnitude as Contingent on Contextual Activity
In-Mao Liu 劉英茂 Professor
4. Epidemiologic Studies of Malignant Neoplasms in Taiwan: IV. Relation of Mortality from Various Sites of Malignant Neoplasms with Environmental Factors
Kung-Pei Chen 陳拱北 Professor
5. The Response of the Adrenal Glands to 5-hydroxytryptamine (5HT) and Bradykinin during the late blocking phase by Nicotine ~~1960~~
Fu-Li Lee 李復禮 Professor
6. Synthesis of Sulfamylchalcone Derivatives
Kuang-Kann Hsu 許光淦 Associate Professor
7. Formation of Polynuclear Cells in Cell Lines by HVJ Virus under Various Conditions and Production of Hybrid Cell by the Virus
I-Hung Pan 潘以宏 Associate Professor
8. Interrelationship between Paragonimus cercaria Producing Capacity and Number of Miracidia Exposed in Oncomelania chiui
Jui-Kuang Chiu 邱瑞光 Associate Professor
9. Biochemistry of the Development of Duck Embryo: IV. Isozymes of Several Dehydrogenases in the Developing Organs
Shu-Mei Ting 丁淑美 Associate Professor
10. Virological Study of Acute Respiratory Infections in Children on Taiwan
Chin-Yun Lee 李慶雲 Associate Professor
11. Cytogenetic Studies in the Genus Sorghum
Chung Pen Pi 畢中本 Professor
12. Studies on the Control Effect of Herbicides and Their Residual Effect to the Crops and Soils
Chi-Chu Wang 王啓柱 Professor
13. A Study on the Combined Analysis for a Series of Lattice Experiments
Shu-fan Yeh 葉樹藩 Professor
14. The Multivariate Statistical Analysis of Rice Varietal Adaptation
Ing-Tzer Wey 魏應澤 Associate Professor
15. Studies of Crop Consumptive Use in Correlation with Evaporation
Kent Fen Chang 張建勛 Professor
16. The Effect of the Different Rotational Irrigation Method on the Growth and Yield of Rice
Yuh Piau Shu 徐玉標 Associate Professor

17. Chemistry and Correction of Acidity of Paddy Soils
Tsen-tuo Chen 陳振鐸 Professor
18. The Change of Fatty Acid Composition of Rice Lipids during the Storage Period
Po-Tung Hsieh 謝伯東 Professor
19. Studies on the Separation of β -Amylase and Maltase from Molds
Peh-Wen Liu 劉伯文 Professor
20. The Relation between the Amount of Ethylene Gas Formation and Post-ripening Inhibitors during Post-ripening of Bananas
Hon-Kai Ho 何芳陔 Professor
21. A Kinetic Study on the Formation of Phytotoxins in Submerged Paddy Soils
Hsi-Hua Wang 王西華 Professor
22. Studies on the Production of Cellulase in Submerged Culture of Molds
Yuan-Chi Su 蘇遠志 Professor
23. Studies on the Toxic Metabolic Products of Banana *Ceratocystis paradoxa* Dade:
 I. Isolation of Physiologically Active Substances
Yu-Shih Chen 陳幼石 Professor
24. The Hydrolysis of Meta- and Pyro- (poly-) -phosphates and the Ionization of Sparingly Soluble Orthophosphates as Affected by Soil Condition
Hong-Chi Lin 林鴻淇 Associate Professor
25. The Function of Compound Eyes, Ocelli and Antennae in the Feeding Orientation of Pine Tree Aphid, *Cinara Formosana* Takahashi
Sze-Jih Hsu 徐世傑 Associate Professor
26. Timber Price and Its Response to Forestry Management in Taiwan
Cheng Chow 周楨 Professor
27. Studies of Nutrient Requirents of Taiwan Alder
Tze-ting Wang 王子定 Professor
28. Studies on the Mechanical Properties of Key Wood Species in Taiwan
Shuen-chao Wu 吳順昭 Professor
29. A Computer Program for Forest Management Simulation
Yong-Chi Yang 楊榮啓 Associate Professor
30. Timber Management Opportunities and Potential Investment Efficiency in Taiwan
Der-chuen Wang 王德春 Associate Professor
31. Observation on the Chromosome of Turkey-Chicken Hybrids
Tang-Yuan Lee 李登元 Professor

32. Effect of ACTH on the Gonads of Sexually Mature Animals
Pei-Yuang Chi 季培元 Associate Professor
33. The Effect of Thyroxine on the Embryos of Rat
Chang-hwei Yang 楊昌輝 Professor
34. An Anatomical Study of the Regeneration in Scale Leaf of *Lilium formosanum* Wall. and *L. longiflorum* Thunb.
Su-shien Ma 馬溯軒 Professor
35. Studies on the Removal of Ethylene from the Controlled-Atmosphere Storage of Bananas
Min-Nan Chiang 蔣明南 Professor
36. An Anatomical Study on the Flower Bud Differentiation in Response to Photoperiod in *Chrysanthemum morifolium*
Geng-Sheng Tu 杜廣甦 Professor
37. A Study on the Problem of Xyloporosis in Citrus Mother Trees in Taiwan
Pu Ling 林 樸 Professor
38. A Study on Blotchy Ripening of Tomatoes
Han Huang 黃 涵 Associate Professor
39. A Study on Male Sterility in Tomato
Lih Hung 洪 立 Associate Professor
40. Determination of Radioactivity in Plant Tissue by Macro-autoradiography
Yu-yuan Yeh 葉育元 Associate Professor
41. Studies on the Enzymatic Hydrolysis of Citrus Flavanone-glycoside by Naringinase
Tzue-Tar Fang 方祖達 Associate Professor
42. Studies on the Chemical Structure of Toxic Protein from *Abrus precatorius*
Jung-Yaw Lin 林榮耀 Associate Professor

Class B

43. Study on the Number and Classification of Leucocytes of Infants in Taiwan
Shu-chuan Shih 施淑娟 Assistant
44. An Investigation of the Development of Language and Vocabulary in Elementary School Children
Cheng-ping Chu Lin 初正平 Lecturer
45. The Contextual Influence of Lines upon Horizontal-Vertical Illusion
May-jane Wang Chen 汪美珍 Lecturer
46. The Effect of the Interpolated UCS Alone Trials on Classical Aversive Conditioning
Pi-fong Lin 林碧峰 Lecturer

61. Studies on the Annonaceae in Taiwan

Jih-ching Liao 廖日京

Lecturer

62. The Relationship between Specific Gravity and Strength Properties of Some Commercial Timbers in Taiwan

Hweig Wang 汪淮

Lecturer

63. Action of Some Amino Acid on the Phosphorous-calcium Equilibrium of the Intestine

Ching-pai Yang 楊清白

Lecturer

64. Survey on Toxoplasma Antibodies and Isolation in Taiwan

Yau-ching Yeh 葉耀清

Technician

65. Study on Stimulation of Spore Germination of Mushroom (*Agaricus bisporus*-Lange-Sing.)**Sieh Cheng** 鄭燮

Lecturer

National Normal University**Class B**

66. Effects of Stimulus Intensity and Duration on Alpha Block Duration of Normal and Retarded Children

Yung-Hwa Chen 陳榮華

Lecturer

Taiwan Provincial Chunghsing University**Class A**67. Cytological Karyotype Studies of *Glycine javanica* L. and *Glycine tomentosa* L.**Ying-Chuan Lu** 盧英權

Professor

68. Discrimination of the New Variety of Soybean with Multivariate Analysis

Chi-Hai Yu 俞其海

Associate Professor

69. Cytogenetic Studies of *Oryza officinalis* Complex: III. The Genomic Constitution of *O. eichingeri* and *O. punctata***Chac-Hwa Hu** 胡兆華

Professor

70. Studies on the Determination of Site Quality from the Stem-Analysis Data

Shen-Hsiao Liu 劉慎孝

Professor

71. Studies on the Contour Planting and the Sloping Planting for Reforestation—Affect to Run-off and Soil Erosion

Yeh-Ching Liu 劉業經

Professor

72. The Studies on the Improvement of Antishrinkage Efficiency, Strength and Other Physical Properties of Woods by the Treatment of Phenol Formaldehyde Resin to Cell Wall

Kun-fu Liao 廖坤福

Associate Professor

73. Microbiological Studies in the Rhizosphere of Suffocating Disease of Rice: Nitrate Reduces in Relation to Suffocating Disease of Rice
Ming Huei Wu 吳敏慧 Professor
74. Studies on Citrus Black Spot Fungus, *Guignardia Citricarpa* Kiely: I. Variation of Pathogenicity
Shou-kung Sun 孫守恭 Professor
75. Studies on Amino Acids and Amides in Rice Plants in Relation to the Resistance of Blast
Moh-jih Chen 陳脈紀 Associate Professor
76. Studies on Banded Schlerotial Blight of Soybean Caused by *Thanatephorus cucumeris* (*Pellicularia sssakii*) in Taiwan: VII. Pectolytic Enzyme Activities of the Casual Organism in Infected Tissue and the Factors Affecting Enzyme Activities
You-Hsin Han 韓又新 Associate Professor
77. A Study on the Utilization of Phosphate Used in Chick Feed
Yao-kun Chen 陳耀鋸 Professor
78. Experimental Study on Insecticide for Preventing Banana Aphid
Ku-Sheng Kung 貢穀紳 Professor
79. The Insect Fauna of Regions Where Deciduous Fruit Trees Were Planted in Taiwan: I. The Fauna of Lamellicornia
Shu-chen Chang 張書忱 Professor
80. A Study of the Relationship of Zinc Concentration to Nitrogen Fixation in Soybean
Shi-Tao Yie 易希道 Professor
81. Physiological Studies on the Field Crop Irrigation in Taiwan: I. A Study on the Stomatal Behavior of the Crops
Ching-yih Chen 陳清義 Associate Professor
82. The Fern Genus *Adiantum* in Taiwan
Wang-chueng Shieh 謝萬權 Associate Professor

Class B

83. Studies on the Effects of a Modifying Gene, Controlling Heading Time, on Various Characters in Rice
Kuo-Hai Tsai 蔡國海 Technician
84. The Design and Use of Instruments for Studies of Forest and Soil and Water Conservation:
 - I. Instrument of Measurement for Forest Investigation
 - II. Quick Calculation Plate for Soil and Water Conservation**Shou-Cheng Lin** 林守誠 Lecturer

85. The Application of Grafting of Forest Tree for Breeding
Yung-Kuen Fang 方榮坤 Lecturer
86. On the Quantitative Estimation of Clay Mineralogical Composition of Soils
Tse-chun Yang 楊策羣 Lecturer
87. A Mineralogical Study on Planosolic Soil of Hengchun Basin
Chiu-lai Chi 紀秋來 Assistant
88. A Study on the Quantity and Quality of the Patient's Diets in Civil Employee Health Insurance Hospitals in Taichung Area
Shu-hua Chen 陳淑華 Lecturer
89. The Mechanism of Host Penetration by *Leptosphaeria salvinii*
Shih-pan-yu Hsieh 謝式垸 Lecturer
90. The Influence of Surface Soil Condition on the Infiltration Rate of Soils
Shing-sun Wann 萬鑫森 Lecturer

Tunghai University

Class A

91. Mosses of Botel Tobago
Chung-Kuei Wang 王忠魁 Professor

Kaohsiung Medical College

Class A

92. Biochemical Studies on the Toxic Nature of Snake Venom
Chen-chung Yang 楊振忠 Professor
93. Studies on the Alkaloids of Formosan Lauraceous Plants
Sheng-Teh Lu 盧盛德 Professor
94. Immunochemical Studies on Fluorescent Cobrotoxin
Chun-chang Chang 張均昌 Associate Professor
95. Studies on Photodynamic Inactivation of Methylene Blue on the Phage of *Xanthomonas Oryzae*
Rong-Yang Wu 吳榮洋 Associate Professor

Class B

96. The Study on the Funicular Pattern of Peripheral Nerve of *Macaca Cyclopis* (Swinhoe)
Shih-hsiung Chen 陳世雄 Lecturer

Taipei Medical College

Class A

97. The Chemical Constituents Study on Umbelliferous Plants in Taiwan
Kun-ying Yen 顏焜熒 Professor

Class B

98. A Study on the Effect of Cordycepic Acid on the Circulating System
Yu-chao Yu 余玉超 Assistant
99. A Study on the Toxic Metabolites of *Penicillium islandicum*: I. Isolation of the Toxic Metabolites
Hung-Tu Lee 李宏圖 Assistant
100. A Study on the Fluorescent Metabolites Produced by *Asp. flavus*
Jung-Teh Lo 羅榮德 Assistant

National Defense Medical Center

101. Dicrocoeliasis on Taiwan, Part I: Question of Human Infection on Orchid Island (Lan-yü)
O. K. Khaw 許雨階 Professor
102. The Effect of Hypervitaminosis A on the Keratinization of Interdental Epithelium
Kwai-wang Shyu 徐奎望 Associate Professor
103. Food Habits of Common Venomous Snakes in Taiwan
Shou-hsian Mao 毛壽先 Associate Professor

Class B

104. Antidiuretic Hormone Release in Diabetic Rats
Tze-kong Young 楊志剛 Lecturer
105. Thyroidal Function in Hypothalamic Obese Rats
Yao-chun Wang 王耀羣 Assistant
106. Tissue Competence of Tadpoles to Exogenous Thyroxin at Different Periods after Thyroidectomy
Nai-wen Yu 于廼文 Lecturer
107. The Effect of Administering Yeast RNA on the Learning Capacity and the RNA Content of Tissues in Rats
Mu-Ming Yok 郁慕明 Assistant
108. Studies on *Taenia* Species Prevalent among Aborigines in Wulai Prefecture
Hsiu-wen Huang 黃秀文 Lecturer
109. Effects of Medium Nucleic Acids and Purine and Pyrimidine Bases on Some Cellular Components of Dividing Ciliates
Tzu Lin 林滋
110. The Activities of Liver Fatty Acid Oxidase System from Rats on Rice-Protein Diet
Shih-ching Lee 李詩慶

Class A

- ## Class B

- Taiwan Agricultural Research Institute**

Class A

116. Soil Development Study of Red-Yellow Podzolic Soils in Taiwan: VI. Study on the Clay Mineral of Yellowish Brown Latosols in the Northern Part of Taiwan
Ku-wing Leung 梁鉅榮 Senior Specialist
117. Studies on Physico-Chemical Properties and Classification of Podzols in Taiwan
Hwi-min Chu 朱惠民 Senior Specialist
118. Phosphorus Uptake and Soil Tests as Related to Forms of Soil Phosphorus
Char-fen Lin 林家榮 Senior Specialist
119. Biology of Trichogramma Egg Parasites of Rice Borers
Sung-yang Lee 李淳陽 Senior Specialist
120. Studies on the Anatomy of Tea Leaf and Its Correlation with Quality of Made Teas
Cheng-tuo Wu 吳振鐸 Senior Specialist
121. Study on the Relation between Acidity of Yellow Earth, Red Earth and Production of Crops
Chun-Chuan Chen 陳春泉 Senior Specialist
122. Effect of Environmental Factors on the Adaptation Reaction of Selected Rice Strains
Wan-lai Chang 張萬來 Senior Specialist
123. Study on the Flower and Fruit Dropping of Macadamia
Chen-Chou Chang 張振宙 Senior Specialist

124. Study on the Self-Pollinations of Sweet Potatoes
Hsia Wang 王 俠 Senior Agronomist
125. Studies on the Response Surfaces and Economic Optima for the Quantitative Factors Experiment in Sweet Potato
Liang Li 李 良 Senior Specialist
126. Study on the Effect of Cultivating Methods on the Yield and Quality of Jute and Kenaf Fiber
Chin-Yuan Chi 季景元 Senior Specialist
127. The Influence of Nutrient Deficiency and Nutrient Balance on Growth of Sisal Plant: III. The Influence of Nutrient Deficiency and Nutrient Balance on Growth of Sisal Plant by Method of Sand Culture and Cultivation in Field
Ming-li Lai 賴銘立 Senior Specialist
128. Study on Eriophyid Mites of Mango Trees
Tsang Huang 黃 讚 Senior Specialist

Class B

129. A Study on the Method for Culturing Citrus Nematode on Excised Citrus Root Tissue
Mo-Chu Toun 童慕秋 Specialist
130. Study on the Effect of Seeder Method upon the Yield and Quality of Flax Fiber
Ti-chuan Chen 陳梯全 Specialist
131. Studies on Relation of Water Retting of Jute and Kenaf to Fiber Qualities
Chien-li Ling 凌千里 Specialist
132. A Study on 2-amino-4-chloro-6-methyl Pridimie as a Nitrification Inhibitor in Paddy
Hsi-ping Wen 溫西濱 Specialist
133. Studies on the Degree of Maturity and Storage Temperature in Relation to the Quality of Pineapple Fruit
Chi-chun Huang 黃季春 Specialist
134. Experiment on the Renewal of Old Pineapple Plants of Pineapple Orchard
Yung-jui Hwang 黃榮瑞 Technical Assistant
135. Studies on the Improvements of Quality and Yield of Asparagus
Chao-hsiung Lin 林昭雄 Specialist
136. Biological Observation and Identification of Ants Associated with Mealybug (*Dysmicoccus Brevipes* (CKIL.) in Banana Orchard
Hsi-shan Lee 李錫山 Specialist
137. A Study on the Rootstocks on Time of Flower-bud Differentiation of Citrus
Jen-lu Weng 翁仁祿 Specialist

- Taiwan Forestry Research Institute**

148. Study on the Seed Viability of *Picea Moorisoncola*, in Relation to the Time of Collection and Cold Storage
Chen-Wei Chen 陳振威 Senior Specialist

149. A Preliminary Study in the Structure of Important Bamboos in Taiwan
Fu-Ching Chiang 蔣福慶 Senior Specialist

150. Studies on the Plant Indicator of Site Quality of Japanese Cryptomeria Stand in N. Taiwan
Lo-ming Chang 章樂民 Senior Specialist
151. Study on the Relationship of Tree Spacing to Yield for China-fir Plantation
Liang-pin Hung 洪良斌 Senior Specialist
152. Study on Leachability of Sodium Pentachlorophenate Treated Wood (1)
Shou-Fan Wang 王守範 Senior Specialist
153. Study on the Classification of the Flower of Bambusoideae
Wei-chih Lin 林維治 Senior Specialist

Class B

154. Investigation and Study on Vegetable Drugs in Taiwan
Woei-song Kan 甘偉松 Specialist
 (later transferred to College of Chinese Medicine)
155. Morphological Study on the Pollen Grains of Laurales of Taiwan
Jen-Li Wang 王仁禮 Specialist
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Chin-choy Tse 謝珍彩 Chief of Research Dept.
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