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SCIENTIFIC INFORMATION REPORT
CHINESE SCIENCE

(35)

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C-O-N-F-I-D-E-N-T-I-A-L

SCIENTIFIC INFORMATION REPORT

Chinese Science (35)

This is a serialized report consisting of unevaluated information prepared as abstracts, summaries, and translations from recent publications of the Sino-Soviet Bloc countries. Individual items are unclassified unless otherwise indicated.

Table of Contents

	<u>Page</u>
Abstracts from <u>Actas Sinica</u>	1
Biological and Medical Sciences	1
Earth Sciences	53
Technical Sciences	69
Chemistry, Mathematics, and Physics	89
Organizations and Conferences	106
Manpower and Education	109
New Publications and Book Reviews	112
Foreign Travels and Contacts	115
Biographic Information	117

C-O-N-F-I-D-E-N-T-I-A-L

ABSTRACTS FROM ACTAS SINICA

Biological and Medical Sciences

HSU Yen-sen (6079/1693/2773)
T'ANG Tzu-chin (0781/2737/6651)

"Amino Acid Metabolism in Silkworms: 1. Comparative Investigation of Transamination Between Different Amino Acids and -Ketoglutaric Acid in Mulberry and Wild Silkworms. Isolation and Study of Certain Properties of Amino Acids With Branched Chain Glutamate-Transaminase From the Posterior Part of the Silk-excreting Gland Philosama Cynthia Ricini Boisduval."

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochimica et Biophysica Sinica), Vol 3, No 2, Jun 63, pp 115-123

Excerpts of Russian Abstract: Active L-alanine glutamate and L-aspartate glutamate transaminases were found in the posterior portion of the silk-secreting gland and fatty body of the silkworms. These substances were also detected in the hemolymph. The properties of amino acids with branched chain glutamate transaminase were studied with respect to temperature inactivation, reaction time, and effect of amino acid and alpha-detoglutamic acid concentration on the rate of the transamination reaction.

(Continued)

The effects of thiol poisons and DL-cycloserines on the activity of the branched chain amino acids were also studied.

References: Of the 30 listed, 20 were in English, 8 in Russian, and 2 in Chinese, dated 1939-1962.

This paper was received for publication on 12 September 1962.

Authors' Affiliation: HSU, Institute of Biochemistry, Chinese Academy of Sciences, Shanghai; T'ANG, Nanking Normal College.

C-O-N-F-I-D-E-N-T-I-A-L

HSU Yen-sen (6079/1693/2773)
LIU Ching-ju (0491/7234/1172)

"Amino Acid Metabolism in Silkworms: 2. Comparative Investigation of Enzymatic Deamidation of Glutamine and Asparagine in Mulberry and Wild Silkworms. Study of Certain Properties of Asparaginase From the Posterior Part of the Silk-excreting Gland *Philosama Cynthia Ricini Boisduval*".

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (*Acta Biochimica et Biophysica Sinica*), Vol 3, No 2, Jun 63, pp 125-129

Excerpts of Russian Abstract: Enzymatic deamination of asparagine is practically a linear reaction during the first hour, the optimum pH being 8.0. The enzyme is thermally stable, but it loses activity on preincubation with thiol poisons and DL-cycloserine.

References: Of the 22 listed, 14 were in English, 6 in Russian, and 2 in Chinese, dated 1949-1963.

This paper was received for publication on 12 September 1962.

Authors' affiliation: HSU, Institute of Biochemistry, Chinese Academy of Sciences, Shanghai; LIU, Nanking Teachers College.

KU Wei (0702/5533)
KU Tsu-tse (0702/4371/3419)

"The Radio-sensitivity of Deoxyribonucleic Acid (DNA) in Mice Thymus Deoxyribonucleoprotein (DNP)."

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (*Acta Biochimica et Biophysica Sinica*), Vol 3, No 2, Jun 63, pp 105-114

Abstract: English abstract accompanies this article.

The authors express thanks to KUO T'ao-nien (6753/3447/1628) for participating in the technical work.

References: Of the 32 listed, 21 were in English, 8 in Russian, 2 in Chinese, and one in German, dated 1942-1962.

This paper was received for publication on 25 June 1962.

C-O-N-F-I-D-E-N-T-I-A-L

WU Lu-wen (2456/3022/2429)
HAO Chin-ying (6730/6055/7727)
SUNG Chen-yu (1345/2182/3768)

"The Effect of Some Alkylating-antitumor Agents on the Urinary Excretion of Deoxycytidine in the Rat."

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochimica et Biophysica Sinica), Vol 3, No 2, Jun 63, pp 130-137

Abstract: English abstract accompanies this article.

References: Of the 15 listed, 10 were in English, 3 in Russian, and 2 in Chinese, dated 1950-1960.

This paper was received for publication 8 December 1962.

Authors' Affiliation: All of the Department of Pharmacology, Institute of Materia Medica, Chinese Academy of Medical Sciences.

CHU Te-hsu (2612/1795/3563)

"Studies on the Proteolytic Enzyme of Mung Bean Seeds *Phaseolus Aureus*".

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochimica et Biophysica Sinica), Vol 3, No 2, Jun 63, pp 139-146

Abstract: English abstract accompanies this article.

References: Of the 34 listed, 28 were in English, 3 in German, one in Japanese, one in Chinese, and one in Russian, dated 1924-1960.

This paper was received for publication on 28 December 1962.

Author's Affiliation: Department of Biology, Nanking University.

C-O-N-F-I-D-E-N-T-I-A-L

CHANG Ai-lo (1728/1947/2867)
CHI Cheng-wu (2058/2973/2976)

"Further Studies on the Carboxypeptidase From Swine Kidney."

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochimica et Biophysica Sinica), Vol 3, No 2, Jun 63, pp 147-153

Abstract: English abstract accompanies this article.

References: Of the 16 listed, 12 were in English, 2 in Chinese, one in Russian, and one in German, dated 1941-1962

This paper was received for publication on 2 January 1963.

Authors' Affiliation: Both of the Institute of Biochemistry, Chinese Academy of Sciences.

WU Tzu-hsien (7627/1311/6343)

"Linear Polymerization of the S-Sulphonate of the B-Chain of Insulin."

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochimica et Biophysica Sinica), Vol 3, No 2, Jun 63, pp 154-161

Abstract: English abstract accompanies this article.

References: Of the 27 listed, 22 were in English, 4 in Chinese, and one in German, dated 1940-1962.

This paper was received for publication on 4 January 1963.

Author's Affiliation: Institute of Biochemistry, Chinese Academy of Sciences, Shanghai.

C-O-N-F-I-D-E-N-T-I-A-L

HSU Ken-chun (6079/2704/0193)
HSOU Ch'eng-lau (6760/2110/7627)

"Relation Between Modification of Functional Groups of Proteins and Their Biological Activity: II. The Number of Essential Disulphide Linkages in Trypsin."

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li pao (Acta Biochimica et Biophysica Sinica), Vol 3, No 2, Jun 63, pp 163-167

Abstract: English abstract accompanies this article.

References: Of the 14 listed, 12 were in English and 2 in Chinese, dated 1938-1962.

This paper was received for publication on 4 January 1963.

Authors' Affiliation: Both of Institute of Biochemistry, Chinese Academy of Sciences, Shanghai.

HSOU Ch'eng-lu (6760/2110/7627)
HSUN Yu-k'un (1327/3768/3824)
HSU Ken-chun (6079/2704/0193)
TU Yu-ts'ang (2629/7133/5547)

"Relation Between Modification of Functional Groups of Proteins and Their Biological Activity (III. Effect of p-Nitrophenacylbromide on the Activity of Certain Proteins".

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li pao (Acta Biochimica et Biophysica Sinica), Vol 3, No 2, Jun 63, pp 169-174

Abstract: English abstract accompanies this article.

References: Of the 26 listed, 19 were in English, 6 in Chinese, and one in German, dated 1889-1963.

This paper was received for publication on 9 January 1963.

Authors' Affiliation: All of Institute of Biochemistry, Chinese Academy of Sciences, Shanghai.

C O N F I D E N T I A L

CHIANG Jung-ch'ing (5592/3327/1937)
TU Yu-ts'ang (2629/2704/0193)
TSOU Ch-eng-lu (6755/2110/7627)

"Resynthesis of Insulin From Its Glycyl and Phenylalanyl Chains III.
Further Increase in the Level of Regenerated Activity."

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochimica
et Biophysica Sinica), Vol 3, No 2, Jun 63, pp 176-179

Abstract: English abstract accompanies this article.

References: Of the 4 listed, 9 were in English and 5 in Chinese,
dated 1955-1962.

This paper was received for publication on 15 January 1963.

Authors' Affiliation: All of Institute of Biochemistry, Chinese
Academy of Sciences, Shanghai.

AO Shih-chou (2407/0013/3166)
CHANG Yu-tuan (1728/0645/4551)

"Studies on the Mechanism of Succinate Oxidation in Rat-Liver
Mitochondria".

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochimica
et Biophysica Sinica), Vol 3, No 2, Jun 63, pp 181-189

Abstract: English abstract accompanies this article.

The authors express thanks to WU Ch'in-jung (0124/2953/2837) for
establishing the technique of determining oxygen by vibrating platinum
electrodes.

References: Of the 22 listed, 20 were in English, one in Chinese, and
one in German, dated 1949-1962.

This paper was received for publication on 15 January 1963. Excerpts
were read at the 1962 Chinese Biochemistry Conference.

Authors' Affiliation: Both of Institute of Biochemistry, Chinese
Academy of Sciences, Shanghai.

C·O·N·F·I·D·E·N·T·I·A·L

CH'I Cheng-wu (2958/2973/2975)
WU K'o-tso (0702/0344/0416)
HSU Shih-jung (6075/1295/2837)

"The Isolation, Crystallization, and Characterization of Some
Proteolytic Enzymes From Porcine and Ovine Pancreas."

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochimica
et Biophysica Sinica), Vol 3, No 2, Jun 63, pp 191-204

Abstract: English abstract accompanies this article.

References: Of the 36 listed, 30 were in English, 5 in French, and one
in Chinese, dated 1935-1963.

This paper was received for publication on 21 January 1963.

Authors' Affiliation: All of Institute of Biochemistry, Chinese
Academy of Sciences, Shanghai.

T'SAO T'ien-ch'in (2586/1131/2953)
KUNG Tsu-hsun (7895/4371/1053)
TSOU Yung-shui (6760/3057/3055)
CHANG Yu-shang (1728/0645/1424)
P'ENG Chia-mu (1756/0502/2606)

"Electron Microscopical Observations of Tropomyosin and Paramyosin
Crystals"

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochimica
et Biophysica Sinica), Vol 3, No 2, Jun 63, pp 206-213

Abstract: English abstract accompanies this article.

References: Of the 23 listed, 21 were in English and 2 in Chinese,
dated 1944-1961.

This paper was received for publication on 24 January 1963.

Authors' Affiliation: All of Institute of Biochemistry, Chinese
Academy of Sciences, Shanghai.

C-O-N-F-I-D-E-N-T-I-A-L

CHENG Shan-chiung (3038/0810/3518)
HUNG Meng-min (3163/1322/3046)
CH'EN Hui-chy (7115/5610/3796)

"Conversion of Alanine Dehydrogenase to Glutamic Dehydrogenase by Nitrous Acid Induced Mutation in *Bacillus Subtilis* I. Similarity in Certain Properties of the Two Enzymes."

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu-li Hsueh-pao (*Acta Biochimica et Biophysica Sinica*), Vol 3, No 2, Jun 63, pp 220-228

Abstract: English abstract accompanies this article.

The authors express thanks to K'UNG Ch'iu-t'ung (1313/4428/2717) for his technical assistance.

References: Of the 19 listed, 13 were in English, 3 in French, 2 in Russian, and one in German, dated 1951-1961.

This paper was received for publication on 13 February 1963.

Authors' Affiliation: All of Laboratory of Microbiology, Institute of Plant Physiology, Chinese Academy of Sciences, Shanghai.

CH'U Hsien-ming (1443/6343/6900)
CH'I Cheng-wu (2058/2973/2976)

"The Isolation and Crystallization of Two Trypsin Inhibitors of Low Molecular Weight From Mung Bean (*Phaseolus Aureus Roxb.*)."

Peiping, Sheng-wu Hua-hsueh yu Sheng-wu-li Hsueh-pao (*Acta Biochimica et Biophysica Sinica*), Vol 3, No 2, Jun 63, pp 229-240

Abstract: English abstract accompanies this article.

References: Of the 48 listed, 46 were in English and 2 in Chinese, dated 1936-1963.

This paper was received for publication on 13 February 1963.

Authors' Affiliation: Both of Institute of Biochemistry, Chinese Academy of Sciences, Shanghai.

C-O-N-F-I-D-E-N-T-I-A-L

PAI Lu-hsing (3328/4389/5281)
SUN Yu-k'un (1327/3768/3824)

"Studies on Papain V. Labeling of the Active Center With L-C¹⁴
Bromoacetate."

Peiping, Sheng-wu Huc-hsueh yu Sheng-wu Wu-li Hsueh-pao (Acta Biochimica
et Biophysica Sinica), Vol 3, No 2, Jun 63, pp 242-246

Abstract: English abstract accompanies this article.

References: Of the 3 listed, 2 were in English and one in Chinese,
dated 1951-1963.

This paper was received for publication on 16 February 1963.

Authors' Affiliation: Both of Institute of Biochemistry, Chinese
Academy of Sciences, Shanghai.

WANG Yeh-p'eng (3769/2814/7720)

"Study on Isolating Bacteria of the Salmonella Group on Agar With
Green Malachite and Aluminum Chloride"

Peiping, Wei-sheng-wu Hsueh-pao (Acta Microbiologica Sinica), Vol 9,
No 1, Feb 63, pp 105-108

Excerpts of Russian Abstract: The authors tested the strength of 31
strains of the T.P.E. group, 4 strains of Protea, one strain of Aerobacter
aerogens, 2 strains of intestinal bacilli, and 4 strains of intermediate
strains of growth on agar with aluminum chloride in 1:10,000 concentra-
tion and green malachite in 2:100,000 concentration, at pH 6.6. The
authors also conducted an experiment in 12 tests on M.A. agar and D.C
agar to detect the T.P.E group of bacteria.

This paper was received for publication on 24 May 1960.

Authors' Affiliation: Changsha Office of Commodity Inspection, Ministry
of Foreign Trade. The author is presently working at Tientsin Station
for the Prevention of Animal Diseases.

C-O-N-F-I-D-E-N-T-I-A-L

C-O-N-F-I-D-E-N-T-I-A-L

WUNG Hsi (5725/7378)
WUNG Ch'ang-ling (1345/7022/5376)
LIU Fu-i (0491/4395/5030)
CH'EN Li-hua (7115/7787/5478)
LU Hsiu-chuan (7120/4423/1227)

"The Duration for Faecal Specimens Kept Under Various Conditions to Remain Positive for Shigellae in Relation to the Density of Pathogens in the Specimens"

Peiping, Wei-sheng-wu Hsueh-pao (Acta Microbiologica Sinica), Vol 9, No 1, Feb 63, pp 85-86

Abstract: English abstract accompanies this article.

References: Two Chinese references, dated 1956 and 1958, are listed.

Authors' Affiliation: All of West City District Sanitary and Epidemiology Station, Peking.

TUNG Tien-shun (5516/0368/7311)
K'ANG Hsin-yuan (1660/9515/3293)

"An Attempt To Use Bacteriophage in Typing of Salmonella Cholerasuis"

Peiping, Wei-sheng-wu Hsueh-pao (Acta Microbiologica Sinica), Vol 9, No 1, Feb 63, pp 102-103

Abstract: English abstract accompanies this article.

This paper was received for publication on 3 July 1962.

Authors' Affiliation: Both of Chengtu Institute of Biologicals.

C-O-N-F-I-D-E-N-T-I-A-L

CH'EN Chih-pen (7115/4249/2609)

"Studies on the Mode of Action of Syntomycin III. Effect of Syntomycin on Cell Permeability of Sh. Flexneri"

Peiping, Wei-sheng-wu Hsueh-pao (Acta Microbiologica Sinica), Vol 9, No 1, Feb 63, pp 99-101.

Abstract: English abstract accompanies this article.

This paper was prepared under the guidance of Prof CHANG K'uan-hou (1728/1401/0624) of the China Medical College, Peking.

This paper was received for publication on 23 April 1962.

Author's Affiliation: Nanking College of Pharmacy.

CH'EN Chih-pen (7115/4249/2609)

"Studies on the Mode of Action of Syntomycin II. Effect of Syntomycin on Carbon Compound Metabolism in Sh. Flexneri"

Peiping, Wei-sheng-wu Hsueh-pao (Acta Microbiologica Sinica), Vol 9, No 1, Feb 63, pp 95-98

Abstract: English abstract accompanies this article.

This paper was prepared under the guidance of Prof CHANG K'uan-hou (1728/1401/0624) of the China Medical College, Peking.

References: A total of 26 references were used by the author.

This paper was received for publication on 23 April 1962.

Author's Affiliation: Nanking College of Pharmacy.

C-O-N-F-I-D-E-N-T-I-A-L

CH'EN Chih-pen (7115/4249/2609)

"Studies on the Mode of Action of Syntomycin I. Effect of Syntomycin on Nitrogen and Phosphorus Metabolism in *Sh. Flexneri*"

Peiping, Wei-sheng-wu Hsueh-pao (*Acta Microbiologica Sinica*), Vol 9, No 1, Feb 63, pp 88-93

Abstract: English abstract accompanies this article.

This paper was prepared under the guidance of Prof CHANG K-uan-hou (1728/1401/0624) of the China Medical College, Peking.

References: A total of 37 references were used by the author.

This paper was received for publication on 23 April 1962.

Author's Affiliation: Nanking College of Pharmacy.

WANG Hsuei-fen (3769/1979/5358)

"Influence of Subacute Tuberculous Infection on CNS Activities and Immune Reactions of White Mice"

Peiping, Wei-sheng-wu Hsueh-pao (*Acta Microbiologica Sinica*), Vol 9, No 1, Feb 63, pp 76-81

Abstract: English abstract accompanies this article.

This paper was prepared under the guidance of Prof HSIEH Shao-wen (6200/1421/2429) of the Microbiology Teaching and Research Section, China Medical University.

This paper was received for publication on 5 July 1962.

Author's Affiliation: Department of Bacteriology, Institute of Experimental Medicine, Chinese Academy of Medical Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

MAO Chiang-sen (3029/3068/2773)
WU Fang-chou (7357/2455/5297)

"Effects of Deuterium Oxide on the Multiplication of Virulent and Attenuated Polioviruses in Tissue Culture"

Peiping, Wei-sheng-wu Hsueh-pao (Acta Microbiologica Sinica), Vol 9, No 1, Feb 63, pp 65-69

Abstract: English abstract accompanies this article.

This paper was received for publication on 29 June 1962.

Authors' Affiliation: Both of Department of Virology, Chinese Academy of Medical Sciences.

TSENG I (2582/3015)
MAO Chiang-sen (3029/3068/2773)

"On the Cultivation of Human Amnion Tissue Cells"

Peiping, Wei-sheng-wu Hsueh-pao (Acta Microbiologica Sinica), Vol 9, No 1, Feb 63, pp 49-52

Abstract: English abstract accompanies this article.

References: Three English references are given.

This paper was received for publication on 10 May 1962.

Authors' Affiliation: Both of Department of Virology, Chinese Academy of Medical Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

MAO Chiang-sen (3029/3068/2773)
LUN Pai-ying (1327/4101/5391)
LIU Chin-lien (0491/6353/5571)

"Observations on the Growth and Multiplication of a Stable Line of Human Embryonic Kidney Cells (Mern Strain) and Their Susceptibility to Enteroviruses"

Peiping, Wei-sheng-wu Hsueh-pao (Acta Microbiologica Sinica), Vol 9, No 1, Feb 63, pp 42-47

Abstract: English abstract accompanies this article.

The authors express thanks to HO Shen (0149/3947) for the drawing of Human Embryonic Kidney Cells (Mern Strain).

This paper was received for publication on 22 January 1962.

Authors' Affiliation: All of Department of Virology, Chinese Academy of Medical Sciences, Peking.

KUO Hui-yu (6753/8748/3768)
YANG Li-ch'ang (2799/0448/2490)
WU An-jan (0702/1344/3544)

"Cytopathology and Hemadsorption in Ectromelia Virus Infected Tissue Cultures"

Peiping, Wei-sheng-wu Hsueh-pao (Acta Microbiologica Sinica), Vol 9, No 1, Feb 63, pp 35-41

Abstract: English abstract accompanies this article.

This paper was received for publication in February 1962.

Authors' Affiliation: All of Clinical Laboratory, Peking Union Hospital.

C-O-N-F-I-D-E-N-T-I-A-L

HUANG Yung-ch'eng (7806/3057/2052)
CHAO K'o-chien (6392/0344/0313)
PAI Ya-ch'in (4101/7161/3830)

"An Analysis of the Results of Virological and Serological Studies
on 170 Cases of Infantile Pneumonia"

Peiping, Wei-sheng-wu Hsueh-pao (Acta Microbiologica Sinica), Vol 9,
No 1, Feb 63, pp 30-34

Abstract: English abstract accompanies this article.

The authors express thanks to Changchun Children's Hospital and
Changchun Contagious Disease Hospital for help in gathering virus
isolation materials and serum specimens.

This paper was received for publication on 13 September 1962.

Authors' Affiliation: All of Ch'ang-ch'un Institute of Biologicals.

CHU Chi-ming (2612/2478/2494)
HUANG Yung-ch'eng (7806/3057/2052)
WU Wen-huan (2976/2429/3562)
CHAO K'o-chien (6392/0344/0313)
SUN Tan-feng (1327/0030/2800)
FU Wen-yung (0265/2429/3057)
LIANG Jung-ken (2733/2837/2704)
CHOU Kuei-ch'ur (0719/6311/2504)

"Adenovirus As the Etiology of Infantile Toxic Pneumonia"

Peiping, Wei-sheng-wu Hsueh-pao (Acta Microbiologica Sinica), Vol 9,
No 1, Feb 63, pp 20-28

Abstract: English abstract accompanies this article.

This paper was received for publication on 13 September 1962.

Authors' Affiliations: CHU, HUANG, WU, and CHAO of Ch'ang-ch'un
Institute of Biologicals; SUN and FU of Pediatrics Department, Kirin
Medical University; LIANG of Institute of Biologicals, Ministry of
Health; and CHOU of Ch'ang-ch'un Municipal Children's Hospital.

C-O-N-F-I-D-E-N-T-I-A-L

HUA Fu-1 (5478/1788/0001)
CH'EN Chang (7115/3864)
CHUNG T'ao (0112/3447)

"Zymosan Assay Methods of Properdin"

Peiping, Wei-sheng-wu Hsueh-pao (Acta Microbiologica Sinica), Vol 9,
No 1, Feb 63, pp 10-14

Abstract: English abstract accompanies this article.

The authors express thanks to HSU Ch'eng-hsiung (1776/2110/3574),
CH'EN Ya-yung (7115/7161/0516), and others for their help on correc-
tions.

This paper was received for publication on 19 July 1962.

Authors' Affiliation: All of Institute of Hematology and Blood
Transfusion, Chinese Academy of Medical Sciences.

YAO Chun-shen (1202/0089/1957)
LI Ch'ung-chun (2621/1504/0971)

"The Mechanism of Adrenaline on the Effect of Immunogenesis"

Peiping, Wei-sheng-wu Hsueh-pao (Acta Microbiologica Sinica), Vol 9,
No 1, Feb 63, pp 15-19

Abstract: English abstract accompanies this article.

This paper was received for publication on 5 July 1962.

Authors' Affiliation: Both of Pathology and Physiology Teaching and
Research Section, Changwei Junior Medical College.

C-O-N-F-I-D-E-N-T-I-A-L

LIU Shih-i (0491/0013/3584)
WU Ch'in-o (6762/0530/1230)

"Electroencephalographic and Electrodermatographic Studies of the Orienting Reflex in Man"

Peiping, Hsin-li Hsueh-pao (Acta Psychologica Sinica) No 1, 25 Feb 63, pp 1-10

Excerpts of Russian Abstract: This paper examines the study of a "never model" of the orienting reflex under various product-moment stimuli (faint light, sound, and touch), using the electroencephalographic (EEG) and galvanic skin response (GSR) methods. The abstract lists three conclusions derived from the data.

The authors express thanks to CH'ENG Su-chen (4453/4790/6297) for participating in the work.

References: Of the 27 listed, 14 were in Russian, 11 in English, one in French, and one in Chinese, dated 1925-1963.

This paper was received for publication on 27 October 1962.

LIU Shih-i (0491/0013/3584)
WU Ch'in-o (6762/0530/1230)

"Electroencephalographic Study of the Formation of Temporary Connections in Man"

Peiping, Hsin-li Hsueh-pao (Acta Psychologica Sinica), No 1, 25 Feb 63, pp 11-19

Excerpts of Russian Abstract: This paper presents evidence of the possibility of forming (1) "conditionally-conditioned" (sound plus light) temporary connections between isolated impulse stimuli using the EEG; (2) two-way temporary connections between the central (EEG) component and the peripheral (GSR) component of the orienting reflex; and (3) temporary connections of the "alpha-rhythm" block and the "rhythm-adaptation" block in a test group of children and young people who have the phenomenon of "rhythm adaptation."

The authors express thanks to CH'ENG Su-chen (4453/4790/6297) for participating in the work.

References: Of the 31 listed, 9 were in Russian, 19 in English, and 3 in Chinese, dated 1934-1963

This paper was received for publication on 27 October 1962.

C-O-N-F-I-D-E-N-T-I-A-L

ISU Lien-ts'ang (1776/5114/0221)

"The Amount of Information As a Determinant of Reaction Time to Complex Stimuli"

Peiping, Hsin-li Hsueh-pao (Acta Psychologica Sinica), No 1, 25 Feb 63, pp 42-47

Translation of Russian Abstract: For practical purposes, there was created a special system of signals, each of which carries a determined amount of information. The signal, as a complex stimulus, consists of various signs: color, size, and location. Experimental data indicate that the difference with respect to the quality of the signs does not affect the dependence of reaction time on the amount of information contained in the signals. However, certain test subject mentally combine separately produced signals in a "perception structure." As a result of this, man's permissible capacity to receive and transmit information is increased.

This paper was received for publication on 24 November 1962.

The author acknowledges that some of the results of this work were published in Reports of the Academy of Pedagogical Sciences, RSFSR No 5, 1961.

WANG Chih-ch'ing (3769/1807/3237)

"The Role of Eye-Movements in the Development of Perception and Recognition in Preschool Children"

Peiping, Hsin-li Hsueh-pao (Acta Psychologica Sinica), No 1, 25 Feb 63, pp 48-54

Translation of Russian Abstract: This paper was produced from the initial standpoint of distinguishing perception and recognition actions. Films were used in studying the eye-movements of preschool children for visual perception and form recognition. It is demonstrated that, with respect to the difference in the nature of the action and the sensory content, eye-movements have different characteristics and play an important role in various stages of the development process.

The author acknowledges that these experiments were performed under the direct guidance of V.P. Zinchenko, who was responsible for the essential idea contained.

LI Hsin-t'ien (2621/1800/1131)

"The Application of Psychotherapy in the Treatment of Chronic Schizophrenia"

Peiping, Hsin-li Hsueh-pao (Acta Psychologica Sinica), No 1, 25 Feb 63, pp 55-63

Abstract: English abstract accompanies this article.

The author expresses thanks to CHANG Chi-chih (1728/4949/1807), SUNG Wei-chen (1345/4850/4176), LIU T'ieh-feng (0491/6993/1496), SHIH Wan-hua (0670/1238/5470), CHANG Yao (1728/3852), TU Chin-ch'un (2629/6930/2504), SHIH Yao-hsien (0670/5069/0341), FENG Heng-shan (7458/1854/3503), HUANG Liang-heng (7806/5328/3801), and CHANG Pao-chu (1728/1405/3796) for participating in the work.

References: Of the 48 listed, 14 were in Russian, 3 in Chinese, one in Japanese, and 30 in English, dated 1955-1962.

This paper was received for publication on 15 August 1962.

CHING Ch'i-ch'eng (5427/0366/6134)
P'ENG Jui-hsiang (1756/3843/4382)
FANG Yun-ch'iu (2455/5366/4428)

"Effect of Distance and Posture of Observer on the Perception of Size"

Peiping, Hsin-li Hsueh-pao (Acta Psychologica Sinica), No 1, 25 Feb 63, pp 20-30

Abstract: English abstract accompanies this article.

The authors express thanks to YANG Te-chuang (2799/1795/5445) for participating in the research.

References: Of the 19 references used, 14 were in English, 3 in German, one in Chinese, and one in Russian, dated 1899-1961.

This paper was received for publication on 15 September 1962.

C-O-N-F-I-D-E-N-T-I-A-L

P'ING Jui-hsiang (1756/3843/4382)
FANG Yun-ch'iu (2455/5366/4428)
CHING Ch'i-ch'eng (5427/0366/6134)

"Target Size As a Cue to Distance Judgement Along a Ground Strip"

Peiping, Hsin-li Hsueh-pao (Acta Psychologica Sinica), No 1, 25 Feb 63,
pp 31-40

Abstract: English abstract accompanies this article.

The authors express thanks to HAO Te-yuan (6787/1795/0337) for his assistance in handling statistics in the research results.

This paper was received for publication on 28 November 1962.

KUNG Yao-hsien (7895/5069/0341)

"An EEG and Clinical Study of the Cortical Function of Neurasthenics"

Peiping, Hsin-li Hsueh-pao (Acta Psychologica Sinica), No 1, 25 Feb 63,
pp 65-73

Abstract: English abstract accompanies this article.

Of the 28 references used, 7 were in Chinese, 7 in Russian, and 14 in English, dated 1944-1962.

This paper was received for publication on 29 April 1962.

C-O-N-F-I-D-E-N-T-I-A-L

HS'ENG Ch'eng-jui (2582/0701/3843)

"A Case Study of the Characteristics of Working of an Advanced Textile Worker"

Peiping, Hsin-li Hsueh-pao (Acta Psychologica Sinica), No 1, 25 Feb 63, pp 75-80

Abstract: English abstract accompanies this article.

The author expresses thanks to Prof WU Chiang-lin (0702/3068/7207), a specialist in educational psychology at Kwangtung Normal College, for his guidance and to the leaders and workers at Kwangtung Textile Mill for their assistance.

This paper was received for publication on 21 February 1962.

CHU Hsi (2612/3156)

WANG Yu-lan (3769/1636/5695)

"Cytological Study of Egg Maturation on Two Species of Bony Fishes: *Carassius Auratus* L. and *Megalobrama Terminalis* R."

Peiping, Shih-yen Sheng-wu Hsueh-pao (Acta Biologiae Experimentalis Sinica), Vol 3, No 1, Jun 62, pp 1-27

Abstract: English abstract accompanies this article.

The authors express thanks to HSU Kuo-chiang (1776/0948/3068) for his photographs.

References: Of the 54 listed, 20 were in English, 18 in French, 7 in Chinese, 4 in Russian, 4 in German, and one in Japanese, dated 1891-1960.

This paper was received for publication on 12 January 1962.

Authors' Affiliation: Both of Institute of Experimental Biology, Chinese Academy of Sciences, Shanghai.

C-O-N-F-I-D-E-N-T-I-A-L

LEI Hung-shu (7191/1347/0209)
HSI Ting-pao (1153/7844/0202)

"On the Tillering Rate of Rice Plant"

Peiping, Shih-yen Sheng-wu Hsueh-pao (*Acta Biologiae Experimentalis Sinica*), Vol 8, No 1, Jun 62, pp 35-42

Abstract: English abstract accompanies this article.

The authors express thanks to YEN Jung-hua (0917/2837/5478), CHENG Kuo-chi (6774/0948/1015), SU Chui-ai (5685/6923/1002), and WANG Chui-kuang (3769/6923/0742) for participating in the work.

References: Of the 8 references used, 4 were in Chinese, 3 in English, and one in Japanese, dated 1923-1961.

This paper was received for publication on 25 January 1962.

Authors' Affiliation: Both of Institute of Plant Physiology, Chinese Academy of Sciences, Shanghai.

SHEN Yun-kang (3088/0336/6921)
SHEN Kung-mou (3088/7255/2804)

"Translocation of Assimilates Out of Leaves"

Peiping, Shih-yen Sheng-wu Hsueh-pao (*Acta Biologiae Experimentalis Sinica*), Vol 8, No 1, Jun 62, pp 45-52

Abstract: English abstract accompanies this article.

The authors express thanks to CH' IEN Yueh-ch'in (6929/2588/3830) and HSU Chung-hsin (1776/1813/0207) for participating in the work.

References: Of the 11 listed, 4 were in Chinese, 3 in English, 3 in Russian, and one in German, dated 1933-1961.

This paper was received for publication on 2 February 1962.

Authors' Affiliation: Both of Institute of Plant Physiology, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

CHU Jun (2612/3387)
HSIUNG Yung-chou (3574/3938/0719)

"Effects of X-Rays on the Growth, Maturation, and Fertility in Rats Irradiated at Seventh Day After Birth I. Females"

Peiping, Shih-yen Sheng-wu Hsueh-pao (*Acta Biologiae Experimentalis Sinica*), Vol 8, No 1, Jun 62, pp 54-75

Abstract: English abstract accompanies this article.

The authors express thanks to T'ANG Hai-lin (3282/3189/2651) and HSU Shao-yuan (1776/4801/1270) for participating in the work.

References: Of the 37 used, 34 were in English, 2 in Russian, and one in French, dated 1926-1961.

This paper was received for publication on 15 March 1962.

Authors' Affiliation: Both of Institute of Experimental Biology, Chinese Academy of Sciences, Shanghai.

CHU Jun (2612/3387)
HSIUNG Yung-chou (3574/3938/0719)

"Effects of X-Rays on the Growth, Maturation, and Fertility in Rats Irradiated at Seventh Day After Birth II. Males"

Peiping, Shih-yen Sheng-wu Hsueh-pao (*Acta Biologiae Experimentalis Sinica*), Vol 8, No 1, Jun 62, pp 76-89

Abstract: English abstract accompanies this article.

The authors express thanks to T'ANG Hai-lin (3282/3189/2651) and HSU Shao-yuan (1776/4801/1270) for participating in the work.

This paper was received for publication on 15 March 1962.

Authors' Affiliation: Both of Institute of Experimental Biology, Chinese Academy of Sciences, Shanghai.

C-O-N-F-I-D-E-N-T-I-A-L

HSIUNG Yung-chou (3574/3938/0719)

"Effects of X-Rays on the Growth, Maturation, and Fertility in Rats Irradiated at Seventh Day After Birth III. Protective Effect of Cysteine"

Peiping, Shih-yen Sheng-wu Hsueh-pao (Acta Biologiae Experimentalis Sinica), Vol 8, No 1, Jun 62, pp 91-96

Abstract: English abstract accompanies this article.

The author expresses thanks to CHU Jun (2612/3387) for his guidance and to SHEN Yung-fa (3088/3057/4099) and T'ANG Hai-lin (3282/3189/2651) for participating in the work.

This paper was received for publication on 18 March 1962.

Author's Affiliation: Institute of Experimental Biology, Chinese Academy of Sciences, Shanghai.

TS'AI I-hsin (5591/0110/2946)

"A New Type of Waddington Effect in Drosophila Melanogaster I. A. General Description of the Effect"

Peiping, Shih-yen Sheng-wu Hsueh-pao (Acta Biologiae Experimentalis Sinica), Vol 8, No 1, Jun 62, pp 97-107

Abstract: English abstract accompanies this article.

References: All nine references were in English, dated 1930-1960.

This paper was received for publication on 12 May 1962.

Author's Affiliation: Institute of Genetics, Fudan University

C-O-N-F-I-D-E-N-T-I-A-L

TS'AI I-hsin (5591/0110/2946)

"A New Type of Waddington Effect in *Drosophila Melanogaster* II. The Genetic Basis of the Effect"

Peiping, Shih-yen Sheng-wu Hsueh-pao (*Acta Biologiae Experimentalis Sinica*), Vol 8, No 1, Jun 62, pp 109-116

Abstract: English abstract accompanies this article.

The author expresses thanks to T'AN Chia-chen (6151/1367/2823), SHENG Tsu-chia (4141/4371/0857), LIU Tsu-tung (0491/4371/3159), and HSIANG Wei (7309/4850) for experimenting and writing.

This paper was received for publication on 12 May 1962.

Author's Affiliation: Institute of Genetics, Fudan University.

PAO Hsuan (7637/3894)

CH'EN Hui-ch'ing (7115/1920/0615)

"Adult Human Brain Cells in Tissue Culture"

Peiping, Shih-yen Sheng-wu Hsueh-pao (*Acta Biologiae Experimentalis Sinica*), Vol 8, No 1, Jun 62, pp 117-122

Abstract: English abstract accompanies this article.

The authors express thanks to Prof CH'EN Jui-ming (7115/3843/6900) of Institute of Experimental Biology, Chinese Academy of Sciences, for instructing, to neurosurgeons SHIH Yu-ch'uan (0670/3768/3123) and CHIANG Ta-chieh (5592/1129/0094) of the subordinate hospital, Shanghai First Medical College for organizing the material, and to TS'AO Tao-ming (2580/6670/2494) and SHIH Mei-p'u (0670/5019/3877) for cultures and photographs.

This paper was received for publication 14 July 1962.

Authors' Affiliation: Both of Institute of Physiology, Chinese Academy of Sciences, Shanghai.

C-O-N-F-I-D-E-N-T-I-A-L

PAO Hsuan (7637/3894)
CH'EN Hui-ch'ing (7115/1920/0615)

"The Growth and Degeneration of a Human Neuron in Tissue Culture"

Peiping, Shih-yen Sheng-wu Hsueh-pao (Acta Biologiae Experimentalis Sinica), Vol 8, No 1, Jun 62, pp 125-129

Abstract: English abstract accompanies this article.

The authors express thanks to Prof CH'EN Jui-ming (7115/3843/6900) of Institute of Experimental Biology, Chinese Academy of Sciences, for instructing; to neurosurgeons SHIH Yu-ch'uan (0670/3768/3123) and CHIANG Ta-chieh (5592/1129/0094) of the subordinate hospital, Shanghai First Medical College, for organizing the material; and to TS'AO Tao-ming (2580/6670/2494) and SHIH Mei-p'u (0670/5019/3877), for cultures and photographs.

This paper was received for publication on 14 July 1962.

Authors' Affiliation: Both of Institute of Physiology, Chinese Academy of Sciences, Shanghai.

FENG Chih-hsin (7458/1807/2450)

"Alimentary Conditioned Reflexes in the Chain of Stimuli in *Macropodus chinensis* and *Trichogaster leeri*"

Peiping, Sheng-li Hsueh-pao (Acta Physiologica Sinica), Vol 26, No 1, Mar 63, pp 71-74

Translation of Russian Abstract: A retarding inhibition is slowly and unsteadily developed in proportion to the strengthening of motor alimentary conditioned reflexes formed in the fish *Macropodus chinensis* and *Trichogaster leeri*. The isolated application of separate components of a chain conditioned stimulus invariably evokes a conditioned reaction. The extinguishing of their signal importance through repeat application of the stimulus without reinforcement in one experiment also showed an inhibiting effect on the conditioned reflex in the chain of stimuli. Complete differentiation in the chain of stimuli with a reverse sequence of the components or with a changed middle member was not worked out.

This paper was received for publication on 5 November 1962.

Author's Affiliation: Institute of Zoology, South China Agricultural College, Canton.

C-O-N-F-I-D-E-N-T-I-A-L

LIANG Chih-an (2733/0037/1344)
WANG Tso-pin (3769/0155/1755)

"Pitch in the Emission of Rapidly Repeated Sounds"

Peiping, Sheng-li Hsueh-pao (Acta Physiologica Sinica), Vol 26, No 1,
Mar 63, pp 59-68

Excerpts of Russian Abstract: This paper studies pitch perception of the emission of sounds repeated at frequencies of 100-3,500 times per second. The obtained facts and resultant conclusions are listed in eight paragraphs and include a study of the sensitivity of the inner ear to tonal frequency; phase effects in monaural perception; auditory masking of one pure tone by another; the complementary action of nerve impulse frequency and periodic auditory stimuli; a filter experiment in the spectrum of repeated sounds; and temporary threshold shift as an index of noise susceptibility.

This paper was received for publication on 30 October 1962.

Authors' Affiliation: Both of Institute of Physiology, Chinese Academy of Sciences, Shanghai.

SUNG Chen-yu (1345/2182/3768)
TU Yu-wen (3456/3022/2429)
SHAO Chin-ying (6730/6855/7727)

"The Biphasic Effect of B-Diethylaminoethyl Diphenylpropylacetate HCL on the Biotransformation of Sodium Pentobarbital"

Peiping, Sheng-li Hsueh-pao (Acta Physiologica Sinica), Vol 26, No 1,
Mar 63, pp 75-82

Abstract: English abstract accompanies this article.

This paper was received for publication on 18 November 1962.

Authors' Affiliation: All of Department of Pharmacology, Institute of Materia Medica, Chinese Academy of Medical Sciences, Peking.

C-O-N-F-I-D-E-N-T-I-A-L

WANG Te-min (3769/1795/3046)
WANG Shih-chun (3769/1807/0971)

"The Effect of Insulin Hypoglycemia on the Secretion of Greater and Lesser Curvature Pavlov Pouches in Dogs"

Peiping, Sheng-li Hsueh-pao (Acta Physiologica Sinica), Vo 26, No 1, Mar 63, pp 53-58

Abstract: English abstract accompanies this article.

The authors express thanks to CHOU Chia-yin (0719/0163/7299), CHIN Wen-hai (6855/2429/3189), and CH'I P'ei-wen (7871/0160/2429) for their help in part of the technical work.

This paper was received for publication on 5 November 1962.

Authors' Affiliation: Both of Institute of Physiology, Chinese Academy of Sciences, Peking.

HUNG Ming-hsia (3163/2494/7209)
WAN Shih-fan (5400/0013/5672)

"Concerning the Maximum Allowable Sarcomere Length for Contraction of Honey Bee Striated Muscle"

Peiping, Sheng-li Hsueh-pao (Acta Physiologica Sinica), Vol 26, No 1, Mar 63, pp 35-38

Abstract: English abstract accompanies this article.

This paper was received for publication on 27 August 1962.

Authors' Affiliation: Both of Institute of Physiology, Chinese Academy of Sciences, Shanghai.

C-O-N-F-I-D-E-N-T-I-A-L

HSIAO Chun (5618/0193)
TS'AI Hsiung-hsin (5591/7160/9515)
JEN Shao-chen (0117/1421/3791)
HO Chu-jen (0149/5468/0086)
CHANG Ch'i-chi (1728/0366/0679)
CHANG Mei-li (1728/5019/3769+0448)

"Metabolic Rate of the Body During Chinese Traditional Relaxation Exercise (Chi-kong)"

Peiping, Sheng-li Hsueh-pao (Acta Physiologica Sinica), Vol 26, No 1, Mar 63, pp 1-11

Abstract: English abstract accompanies this article.

The work on this paper was done under the direction Prof HSU Feng-yen (1776/0023/1750).

This paper was received for publication on 1 March 1962.

Authors' Affiliation: All of Physiology Teaching and Research Section, Shanghai First Medical College, Shanghai.

LU Yu-min (0491/5148/3046)
YANG Chen-yu (2799/2182/3768)

"Analysis of Single Unit Activity in the Lateral Geniculate Body of the Cat"

Peiping, Sheng-li Hsueh-pao (Acta Physiologica Sinica), Vol 26, No 1, Mar 63, pp 12-20

Abstract: English abstract accompanies this article.

References: A total of 32 references were used including German, English, Chinese, and Japanese.

This paper was received for publication on 19 May 1962.

Authors' Affiliation: Both of Institute of Physiology, Chinese Academy of Sciences, Shanghai.

C-O-N-F-I-D-E-N-T-I-A-L

HUNG Ming-hsia (3163/2494/7209)
FAN Shih-fan (5400/0013/5572)

"On Length Changes With Stretch of A and I Bands of the Myofibrils
of Glycerine-Extracted Shrimp Striated Muscle"

Peiping, Sheng-li Hsueh-pao (Acta Physiologica Sinica), Vol 26, No 1,
Mar 63, pp 22-27

Abstract: English abstract accompanies this article.

This paper was received for publication on 16 July 1962.

Authors' Affiliation: Both of Institute of Physiology, Chinese
Academy of Sciences, Shanghai.

FAN Shih-fan (5400/0013/5672)
LI Ai-yuan (2621/1947/1254)

"The Effect of Pyrophosphate on Response and Membrane Constants of
the Skeletal Muscle"

Peiping, Sheng-li Hsueh-pao (Acta Physiologica Sinica), Vol 26, No 1,
Mar 63, pp 28-33

Abstract: English abstract accompanies this article.

The author expresses thanks to WANG Chih-hua (3769/1807/5478) who
participated in the research work.

This paper was received for publication on 3 August 1962.

Authors' Affiliation: Both of Institute of Physiology, Chinese Academy
of Sciences, Shanghai.

C-O-N-F-I-D-E-N-T-I-A-L

HSIEH Jung. (0673/1369)
HUANG Shih-k'ai (7806/0013/2818)
HSU K'o (1776/4430)

"Microscopic and Electron Microscopic Observations on a Fiber-Like Structure in the Axoplasm of the Nerve Fiber of *Penaeus Orientalis*"

Peiping, Sheng-li Hsueh-pao (*Acta Physiologica Sinica*), Vol 26, No 1, Mar 63, pp 42-52

Abstract: English abstract accompanies this article.

The authors express thanks to Prof FENG Te-p'ei (7458/1795/1014) for his corrections and guidance and to HUANG Chung-ying (7806/6988/5391), CHANG T'ieh-feng (1728/6993/1496), and TSOU Shun-hsing (6760/7311/5281) who participated in the work.

This paper was received for publication on 24 September 1963.

Authors' Affiliation: All of Institute of Physiology, Chinese Academy of Sciences, Shanghai.

HAO Shui (6768/3035)
YANG Ching-sch'un (2799/7231/2504)

"Effect of X-Ray Radiation on the Mitotic Activity of Plant Cells"

Peiping, Chih-wu Hsueh-pao (Acta Botanica Sinica), Vol 11, No 1, Mar 63,
pp 8-14

Excerpts of Russian Abstract: This paper presents the results of the investigation of mitosis of *Helianthus annuus* and *Vicia faba* at various times following X-ray radiation. It is demonstrated that the extent of inhibition of mitosis in the meristematic cells of sunflower seed radicles is proportionately dependent on the radiation doses. Statistical analysis of observed data in irradiated *Vicia faba* indicates that the difference in mitotic activity between the experimental and control groups is reliable. From the data cited, it is shown that specific doses of X-ray radiation have a stimulating effect on plant cell mitosis.

(continued)

Persons who participated in this experiment included: MAO Kuei-chung (3029/6311/1813), KAO Wei (7559/0251), CH'U Pao-lan (2575/1405/5695), CH'ENG Chi-min (4453/4949/3046), TUNG Kuei-fan (5516/2710/5603), WANG Ping-tung (3769/4426/2767), WANG Chung-yu (3769/1813/4416), KAO Fu (7559/4395), and CHAN Shu-ch'in (2069/2885/3830).

References: Thirteen Russian, 7 English, 2 Chinese, and one German.

This paper, received for publication on 27 November 1962, was read before the First National Conference on Cytology in August 1962.

Authors' Affiliation: Both of the Department of Biology, Kirin Normal University.

C-O-N-F-I-D-E-N-T-I-A-L

T'IEN Po (3944/3134)
T'ANG P'ei-sung (3282/0160/2646)

"Oxidative Metabolism of Glucose in Leaf Tissues Infected With Tobacco Mosaic Virus"

Peiping, Chih-wu Hsueh-pao (Acta Botanica Sinica), Vol 11, No 1, Mar 63, pp 1-6

Abstract: English abstract accompanies this article.

References: Twenty English, dated 1947-1960 and one Chinese, by T'IEN of this article, dated 1962.

This paper was received for publication on 29 December 1962.

Authors' Affiliation: T'IEN, Institute of Microbiology, Chinese Academy of Sciences; T'ANG, Institute of Botany, Chinese Academy of Sciences.

HU Kua-i (5170/6624/1355)

"Studies in the Polyembryony of *Hosta Caerulea* Tratt; 2. Observations on the Development of Adventive Embryo Under Hormone-Treatments"

Peiping, Chih-wu Hsueh-pao (Acta Botanica Sinica), Vol 11, No 1, Mar 63, pp 16-21

Abstract: English abstract accompanies this article.

References: Six Russian and five English, dated 1941-1962, and one Chinese, by author of this article, dated 1962.

This paper was received for publication on 8 January 1963.

Authors' Affiliation: Department of Biology, Peking University.

C-O-N-F-I-D-E-N-T-I-A-L

CHANG Yu-lung (1728/3768/7893)

"Studies in the Spore Morphology of *Loxogramme Presl*"
Peiping, Chih-wu Hsueh-pao (*Acta Botanica Sinica*), Vol 11, No 1,
Mar 63, pp 26-36

Abstract: English abstract accompanies this article.

References: Eight English, one of which was written by a Chinese,
three Russian, and three Chinese, dated 1946-1962.

This paper was received for publication on 5 December 1962.

Author's Affiliation: Institute of Botany, Chinese Academy of
Sciences.

KUEI Yao-lin (2710/5069/2651)

LI Cheng-li (2621/2973/3810)

"Anatomical Studies of the Leaf Structure of Chinese Pines"

Peiping, Chih-wu Hsueh-pao (*Acta Botanica Sinica*), Vol 11, No 1,
Mar 63, pp 44-53

Abstract: English abstract accompanies this article.

FU Li-kuo (0265/4539/0948) aided in supplying data for this experiment, and
LI Shin-min (2621/2450/3046) assisted in the arrangement of data.

References: Five English, one of which was written by a Chinese,
and two Chinese, dated 1917-1962.

This paper was received for publication on 29 December 1962.

Authors' Affiliation: Both of Institute of Botany, Chinese Academy
of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

CHAO Su-o (6392/4790/1230)
TS'UI Ch-eng (1508/3413)

"The Effect of Microelements on the Growth and Respiration of Rice
With Special Reference to the Respiratory Inhibitors"

Peiping, Chih-wu Hsueh-pao (Acta Botanica Sinica), Vol 11, No 1, Mar
63, pp 67-74

Abstract: English abstract accompanies this article.

References: Of the 18 references, dated 1939-1958, 10 are in English,
4 in Russian, and 4 in Chinese. Two of the English were written by
the authors of this article, one each, dated 1948 and 1956. Two of the
Chinese were written by TS'UI of this article, dated 1954 and 1957.

This paper was received for publication on 23 September 1962.

Authors' Affiliation: Both of Laboratory of Plant Physiology, Depart-
ment of Biology, Nankai University.

CHAO Ho-fu (6392/0668/1133)

"Effect of Gibberellin on the Phosphorus Metabolism in France"

Peiping, Chih-wu Hsueh-pao (Acta Botanica Sinica), Vol 11, No 1,
Mar 63, pp 76-81

Abstract: English abstract accompanies this article.

Reviews of Prof TSAO Tsung-sun (2580/1350/1575) of the Department
of Biology, Peking University, are acknowledge. YU Wu-ch'ing (0060/
5294/0615) and CHANG Hui-chuan (1728/1979/1227) assisted in the
experiments.

This paper was received for publication on 9 October 1962.

Author's Affiliation: Department of Biology, Shangtung Normal College.

C-O-N-F-I-D-E-N-T-I-A-L

LIN K'un-lu (2651/0981/1774)
CHOU Jung-jen (0719/2837/0088)

"The Effect of Gibberellin on the Growth and Development of Paddy Rice and Winter Wheat"

Peiping, Chih-wu Hsueh-pao (Acta Botanica Sinica), Vol 11, No 1, Mar 63, pp 83-94

Abstract: English abstract accompanies this article.

References: Eighteen Chinese, dated 1960-1962, eight English, and three Russian, dated 1957-1961.

This paper was received for publication on 5 December 1962.

Authors' Affiliation: Both of the Laboratory of Phytohormones, Institute of Plant Physiology, Chinese Academy of Sciences, Shanghai.

*TENG Chuang (6772/1641)

"Monilia Sitophila (Mont.) Sacc. As an Agent in Converting Paddy-Straw Into Paper-Fulp"

Peiping, Chih-wu Hsueh-pao (Acta Botanica Sinica), Vol 11, No 1, Mar 63, pp 96-107

Abstract: English abstract accompanies this item.

This experiment was carried out under the direction of Prof TUNG Shu-ch'un (6772/0647/5028).

Authors' Affiliation: Institute of Microbiology, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

CH'EN Hiao-chou (3088/1321/1352)

"The History of the Formation and Special Characteristics of Mammals in Tibet"

Peiping, Tung-wu Hsueh-pao (Acta Zoologica Sinica), Vol 15, No 1, Mar 63, pp 139-149

Excerpts of Russian Abstract: This paper presents results of an investigation which the author conducted in Tibet in 1960, wherein he collected materials on the distribution of 50 species of mammals, including two newly recorded in China. The study includes (1) the constitution of the fauna and the nature of their distribution; (2) a zoogeographic regional division of Tibet; and (3) the history of the origin and formation of mammalian fauna in Tibet.

CHENG Tso-hsin directed the research. CHU Ching (2612/7331) and CHANG Nai-chih (1728/6621/3112) also participated.

References: Five Chinese, 2 of which were written by Russians, 10 Russian, and 4 English, dated 1888-1961.

This paper was received for publication on 20 September 1962.

Authors' Affiliation: Institute of Zoology, Chinese Academy of Sciences and Tibetan Expedition, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

WANG Keng-nan (3769/5087/0589)

"Studies on a New Genus and Two New Species of Allocreadiidae (Trematoda) From China"

Peiping, Tung-wu Hsueh-pao (Acta Zoologica Sinica), Vol 15, No 1, Mar 63, pp 55-58

Excerpts of English Abstract: Thirty-three genera of Allocreadiinae, as parasites of fishes, were recorded by YAMAGUCHI in 1958. Among them, Helicometrina, Multitestis, and Decemtestis are provided with many test. or with testis divided into a number of testicles. The collection was taken from the intestinal mesentery of the abdominal cavity of Spheroides Ocellatus. A new genus and two new species are described in this paper, namely, Paradecemtestis, n. gen.; Paradecemtestis Ovatus, n. sp.; and Paradecemtestis Chinensis, n. sp.

Prof WU Kuang (0702/0342) directed this research. FU I-hsun (0265/6318/6064) and CH'EN Yung-shou (7115/3057/1108) assisted.

References: Three English, one by a Japanese, dated 1943-1958; one Russian, dated 1958; and one Chinese, dated 1956.

This paper was received for publication on 27 September 1962.

Author's Affiliation: Department of Biology, Nanking University.

C-O-N-F-I-D-E-N-T-I-A-L

WANG Tun-ch'ing (3769/2415/3237)

"A New Mite of the Genus *Echinolaelaps* Ewing, 1929 (Acarina: Laelap-
tidae)"

Peiping, Tung-wu Hsueh-pao (*Acta Zoologica Sinica*), Vol 15, No 1,
Mar 63, pp 98-100

Text of English Abstract: A new mite *Echinolaelaps fukienensis* n.
sp. was collected off *Rattus fulvescens* huang in July 1959 from
Chungan, Fukien. It differs from *Echinolaelaps echidninus* (Berlese,
1887) by the shape of the sternal plate, genitoventral plate, and
the annal plate.

References: Thirteen English and one German, dated 1913-1961.

This paper was received for publication on 15 November 1961.

Author's Affiliation: Fukien Research Institute of Epidemic Diseases.

WU Shih-hsien (0702/4311/7359)

YEH Ying (5509/5391)

"Studies on Trichomoniasis: 6. A Comparative Study on the Growth
Rates of *T. Foetus* in Different Culture Media"

Peiping, Tung-wu Hsueh-pao (*Acta Zoologica Sinica*), Vol 15, No 1,
Mar 63, pp 1-9

Abstract: English abstract accompanies this article.

References: Five Chinese, dated 1955-1959, two by YEH and one by
WU and YEH of this article; and two English and one Russian, dated
1935-1956.

This paper was received for publication on 22 October 1962.

Authors' Affiliation: WU, Veterinary Station of Shanghai; YEH,
Shanghai First Medical College.

C-O-N-F-I-D-E-N-T-I-A-L

CH'IU Shu-yuan (8002/2579/7108)

"On the Metamorphosis of the Ctenophore *Ocyropsis Crystallina* (Rang)
From Amoy"

Peiping, Tung-wu Hsueh-pao (*Acta Zoologica Sinica*), Vol 15, No 1,
Mar 63, pp 11-15

Abstract: English abstract accompanies this article.

WANG Te-yao (3076/1795/5069), CHENG Chung (6774/6850), and CHIN
Te-hsing (6855/1795/4382) read and corrected the manuscript.

References: Two Chinese by CH'IU of this article, dated 1954 and
1957, and one English and one French, dated 1912-1948.

This paper was received for publication on 31 October 1962.

Author's Affiliation: Department of Biology, University of Amoy.

SHIEH Lin-ko (6200/7792/7041)

"On the Crystalline Style of *Oncomelania Hupensis*"

Peiping, Tung-wu Hsueh-pao (*Acta Zoologica Sinica*), Vol 15, No 1,
Mar 63, pp 17-20

Abstract: English abstract accompanies this article.

This paper was received for publication on 3 July 1962.

Author's Affiliation: Department of Biology Anhwei University.

C-O-N-F-I-D-E-N-T-I-A-L

CHU Li-chun (2612/7787/0022)

A. V. Zhirmunsky

"The Cell Thermostability of Sympatric Species of *Donax* in Relation to the Temperature Condition of their Habitat"

Peiping, Tung-wu Hsueh-pao (Acta Zoologica Sinica), Vol 15, No 1, Mar 63, pp 21-26

Abstract: English abstract accompanies this article.

Prof TENG Kuo-chang (6772/0943/4545), Institute of Zoology, Chinese Academy of Science, rendered assistance in this experiment.

References: Twenty-six Russian and six English, dated 1903-1962.

This paper was received for publication on 30 September 1962.

Authors' Affiliation: Zhirmunsky, Institute of Cytology, Academy of Sciences, USSR; CHU, Institute of Zoology, Chinese Academy of Sciences.

Hsia Hs-p'ing (1115/2976/1627)

"Some Materials on the Growth and the Relative Fatness of Carps From Yilung and Kunming Lakes, Yunnan"

Peiping, Tung-wu Hsueh-pao (Acta Zoologica Sinica), Vol 15, No 1, Mar 63, p 28

Abstract: Not given.

This paper was received for publication on 14 August 1962.

C-O-N-F-I-D-E-N-T-I-A-L

CH'EN Hsin T'ao (7115/1800/7118)
HSU Ping-k'un (1776/4426/6924)

"The Behavior of the Trombiculid Larvae in Climbing Onto the Rhodent Hosts"

Peiping, Tung-wu Hsueh-pao (Acta Zoologica Sinica), Vol 15, No 1, Mar 63, pp 29-32

Abstract: English abstract accompanies this article.

MO YEN-hsia (5459/5333/7209) and FAN T'ai (5400/3141) assisted in the research.

References: Two Chinese by the authors of this article, dated 1958 and 1959.

This paper was received for publication on 20 June 1962.

Author's Affiliation: Both of the Teaching and Research Section of Parasitology, Chung-shan Medical College, Canton.

HSIA Wu-p'ing (1115/2976/1627)
CHUN Ch'ung-lu (1327/1504/2406)

"On the Relative Fatness of the Red-Backed Vole, Clethrionomys Rutilus Pallas"

Peiping, Tung-wu Hsueh-pao (Acta Zoologica Sinica), Vol 15, No 1, Mar 63, pp 33-43

Abstract: English abstract accompanies this article.

SHOU Chen-huang (1108/2182/7806) directed the research.

References: Eight Russian, dated 1953-1959, five English, dated 1954-1961, and three Chinese, dated 1958-1959]

This paper was received for publication on 14 August 1962.

Author's Affiliation: Both of Institute of Zoology, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

SHUN Ju-yung (1327/0320/3144)

"On the Application of Various Methods Expressing the Intensity of Chemical Thermo-Regulation"

Peiping, Tung-wu Hsueh-pao (Acta Zoologica Sinica), Vol 15, No 1, Mar 63, pp 44-47

Abstract: English abstract accompanies this article.

References: Eight Russian, dated 1935-1958, six English, dated 1940-1955, and one Chinese, dated 1959, by the author of this article.

This paper was received for publication on 14 June 1962.

Author's Affiliation: Department of Biology, Peking Normal University.

HSIUNG Yao (3574/1031)

HSIEH Tsun-i (0673/1415/6654)

YANG P'an-nung (2799/3961/6593)

"Chemical Structure and Biological Activity: Synthesis of Substituted Phenyl N-methyl Carbamates and Their Biological Activities"

Peiping, Tung-wu Hsueh-pao (Acta Zoologica Sinica), Vol 5, No 1, Mar 63, pp 49-53

Abstract: English abstract accompanies this article.

References: Eight English, dated 1929-1962.

This paper was received for publication on 7 November 1962.

Authors' Affiliation: All of Institute of Zoology, Chinese Academy of Sciences.

C-O-M-F-I-D-E-N-T-I-A-L

K'UNG Fan-yao (1313/4907/3852)

YANG Nien-ho (2799/1628/0678)

"Strongylid Parasites of Donkeys in Peking, II"

Peiping, Tung-wu Hsueh-pao (Acta Zoologica Sinica), Vol 15, No 1, Mar 63, pp 61-66

Abstract: English abstract accompanies this article.

This research was under the direction of Prof T'AI Ta-shih (1966/1129/0099). Prof CHANG Ho-tzu (1728/7729/1316) contributed invaluable views.

References: One Czech, dated 1961; two Chinese, dated 1959-1960; one Bulgarian, dated 1958; three Dutch, dated 1922-1923; and four English, dated 1902-1922.

This paper was received for publication on 12 June 1962.

Authors, Affiliation: Both of Peking Agricultural University

LIU Yueh-ying (0491/2588/5391)

"On the Fresh Water Pulmonata From Shigatze and Gyangtse Regions in Tibet, China"

Peiping, Tung-wu Hsueh-pao (Acta Zoologica Sinica), Vol 15, No 1, Mar 63, pp 71-77

Abstract: English abstract accompanies this article.

CHANG Hsi (1728/3886) directed the research.

References: Thirteen English, dated 1856-1951, three of which were written by a Chinese; two German, dated 1886-1919; one French, dated 1909; one Russian, dated 1952; and one Chinese, dated 1961.

This paper was received for publication on 20 October 1962.

Author's Affiliation: Institute of Zoology, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

CH'EN Chia-jui (3088/0857/3843)

SUNG Ta-hsiang (1345/1129/4382)

"Notes on Copepoda Collected From Shigatze and Gyangtse Regions in Tibet, China"

Peiping, Tung-wu Hsueh-pao (Acta Zoologica Sinica), Vol 15, No 1, Mar 63, pp 79-95

Abstract: English abstract accompanies this article.

References: Two Chinese, dated 1956 and 1962, by CH'EN of this article; three Russian, dated 1918-1952; and eight English, dated 1908-1936.

This paper was received for publication on 31 August 1962.

Author's Affiliation: Both of Institute of Zoology, Chinese Academy of Sciences.

LI Ch'uan-lung (2621/0270/7127)

"Some New Species of Rhopalocera in China, III"

Peiping, Tung-wu Hsueh-pao (Acta Zoologica Sinica), Vol 15, No 1, Mar 63, pp 101-103

Abstract: English text accompanies this article.

This paper was received for publication on 2 August 1962.

Author's Affiliation: Institute of Zoology, Chinese Academy of Sciences.

CHENG Tso-hsin (6774/0155/2450)

T'AN Yao-kuang (6223/5009/0562)

MIN Chih-lan (7036/5347/5695)

"Taxonomic Studies on Birds From Southwestern Szechwan and Northwestern Yunnan: Part 2. Passeriformes: Muscicapidae"

Peiping, Tung-wu Hsueh-pao (Acta Zoologica Sinica), Vol 15, No 1, Mar 63, pp 109-124

Abstract: English abstract accompanies this article.

This paper was received for publication on 22 June 1962.

Authors' Affiliation: CHENG and T'AN, of Institute of Zoology, Chinese Academy of Sciences; and MIN, Biology Department, Northwest University, Sian.

CHANG Chieh (1728/3381)

WANG Tsung-i (3769/1350/4400)

"Faunistic Studies of Mammals of the Tsinghai Province"

Peiping, Tung-wu Hsueh-pao (Acta Zoologica Sinica), Vol 15, No 1, Mar 63, pp 125-137

Abstract: English abstract accompanies this article.

Research was under the direction of LIN Yung-lieh (2651/3057/2535), WANG Chia-chun (3769/1367/7486), and CHIN Shan-k'o (6855/0810/4430); CHANG Chih-hua (3068/2535/5478) offered invaluable opinions; assisting with research were SHOU Chen-huang (1108/2182/7806), CHENG Tso-hsin (6774/0155/2450), HSIA Wu-p'ing (1115/2976/1627), CHU Ching (2612/7231), and CHANG Jung-tsu (1728/2837/4371).

References: Twelve Chinese, five of which were written by Russians; five Russian; and three English. Except for one Russian work dated 1888-1894, most of the references were written circa 1950. This paper was received for publication on 31 August 1962.

Authors' Affiliation: Both of Institute of Zoology, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

T'UNG Ti-chou (4545/4574/0719)

YEH Yu-fen (0673/3022/5358)

"Nuclear Transfer in Vertebrates"

Peiping, Tung-wu Hsueh-pao (Acta Zoologica Sinica), Vol 14, No 1,
Mar 63, pp 151-167.

Abstract: Not given.

References: Fifty-three, mostly E¹⁴nglish. Date span covers a
period from the 1930s to the present, with one or two exceptions.

This paper was received for publication on 31 October 1962.

Authors' Affiliation: Both of Institute of Zoology, Chinese Aca-
demy of Sciences.

SHAO Wei (6730/0251)

"Central Nervous Effects of the Absence of One or Both Front Limbs in Cats"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 2, May 63, pp 157-162

Translation of Russian Abstract: Discussion of intumescence of the spinal cord of the cervical vertebra of a cat in which one or both front limbs are absent.

The rear-dorsal lateral group disappeared; the rear lateral group shrank, and the front lateral group of intumescence of the spinal cord remained intact. The author thinks that these changes indicate innervation of the muscles of the wrist by rear-dorsal lateral group; the rear lateral group innervates the muscles of the forearm; the front lateral group innervates the shoulder girdle and the shoulder muscle because cells of the motor nerve of the spinal cord decreased and disappeared along with the shrinkage and disappearance of muscles of the front limb.

The gray matter area decreased during intumescence of the spinal cord due to shrinkage of the motor cells.

(continued)

The author believes that the above-mentioned facts indicate that development of the central nervous system is closely connected with development of the peripheral organ.

The author expresses thanks to Prof TSANG Yu-ch'uan (5258/3768/8672) Peking Medical College for his guidance and WANG Tu-kung (3769/4648/1872) and CHANG Han (1728/3352) for their help during the photographing.

Author's Affiliation: Department of Biology, Kirin Normal University.

C-O-N-F-I-D-E-N-T-I-A-L

PIEN Ch'ang-t'ai (6708/7022/3141)

HAN Ya-nan (7281/0068/3948)

LIU Shih-hua (0491/0013/5470)

"The Anterior Horn Cells of a Phocomelus in Relation to the Development of the Upper Limbs"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 2, May 63, pp 200-209

Abstract: English abstract accompanies this article.

The authors express thanks to Dr WANG K'o-ch'i (3769/0344/1477), HOU Li-ch'in (0136/4539/3830), CH'EN Chih (7115/5268), and others for their enthusiastic help.

Authors' Affiliation: All of Department of Human Anatomy, Hopei Medical College.

CHUNG Shih-chen (6945/0013/6966)

HO Kuang-ch'ih (0149/0342/4654)

CH'EN Erh-yu (7115/3643/3842)

LIU Cheng-chin (0491/2973/3160)

CHENG Su-chen (1728/4790/6297)

"An Analysis of the Variations of the Broncho-Vascular Patterns of the Left Upper Lobe in Fifty Chinese Lungs"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 1, May 63, pp 183-198

Abstract: English abstract accompanies this article.

The authors express thanks to YU Chan-yang (0060/0594/3152) for the photographing.

Authors' Affiliation: All of Anatomy Teaching and Research Section, Seventh Army Medical College.

C-O-N-F-I-D-E-N-T-I-A-L

HO Kuang-ch'ih (0149/0342/4654)

LIU Cheng-chin (0491/2973/3160)

CHANG Su-chen (1728/4790/6297)

CHUNG Shih-chen (6945/0013/6966)

CH'EN Erh-u (7115/3643/3842)

"An Analysis of the Variations of the Broncho-Vascular Pattern of the Right Lower Lobe in Fifty Chinese Lungs"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 2, May 63, pp 173-182

Abstract: English abstract accompanies this article.

Authors' Affiliation: All of Anatomy Teaching and Research Section, Seventh Army Medical College.

CH'ENG Ling-chung (20.2/0109/1813)

"The Morphology and Distribution of Synapses in Cat's Cerebral Cortex"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 2, May 63, pp 147-156

Abstract: English abstract accompanies this article.

The author expresses thanks to Prof WANG Yu-hh'i (3769/2589/3825) and Prof LU Tzu-hui (7627/1311/1920) under whose guidance this paper was done and to CHIN An-yung (7246/1344/1661) and HU Su-ying (5170/4790/3841) for their help in completing the work.

References: A total of 34 references were used, including English, Russian, Chinese, etc. Pictures accompany this article.

Author's Affiliation: Histology and Embryology Teaching and Research Section, Shanghai First Medical College.

C-O-N-F-I-D-E-N-T-I-A-L

MA Hsiu-ch'uan (7456/4423/2938)

SU Jui-chen (5685/3843/3791)

"Effects of a Single Session of Small Doses of Radiation From Co^{60} on the Peripheral Blood of Rhesus Monkey (*Macaca Mulatta*)"

Peiping, Chieh-p'ou Hsueh-pao (*Acta Anatomica Sinica*), Vol 6, No 2 May 63, pp 125-132

Abstract; English abstract accompanies this article.

The authors express thanks to LI Szu-hsien (2621/0843/8300), CH'EN Ming-chuan (6929/6900/1226), and CHANG Fu-lin (1728/2668/2651), who participated in the technical research work.

References: Seventeen English references were used.

Authors' Affiliation: Both of Institute of Biophysics, Chinese Academy of Sciences.

TSANG Yu-ch'uan (5258/3768/8672)

CH'IN T'ing-ch'uan (4440/1694/2938)

"Neurotoxicity of Streptomycin (Resume)"

Peiping, Chieh-p'ou Hsueh-pao (*Acta Anatomica Sinica*), Vol 6, No 2, May 63, pp 107-124

Abstract: English abstract accompanies this article.

The authors express thanks to CH'EN Chung-ho (7115/0022/0735) and YANG Pao-lin (2799/1405/2641) for their assistance in technical matters.

References: A total of 43 references, including English and German, were used.

Authors' Affiliations: TSANG of Department of Human Anatomy, Peking Medical College; CH'IN of Peking Institute of Otolaryngology, and Laryngology.

C-O-N-F-I-D-E-N-T-I-A-L

CH'EN I-ch'uan (7115/1150/2938)

"Historological Study of the Anterior Pituitary in Rabbits During the Healing of Experimental Bone Fracture"

Peiping, Chieh-p'ou Hsueh-pao (Acta Anatomica Sinica), Vol 6, No 2, May 63, pp 135-146

Abstract: English abstract accompanies this article.

Author's Affiliation: Histology and Embryology Teaching and Research Section, Peking Medical College; the current mailing address of the author is Histology and Embryology Teaching and Research Section, Amoy Medical College.

C-O-N-F-I-D-E-N-T-I-A-L

Earth Sciences

YEH Tu-cheng (5509/4648/2973)
CH'EN Hsiung-shan (7115/7160/1472)"The Vertical Structure of Long Waves and the Relationship Between
Their Movement and Development"Peiping, Ch'i-hsiang Hsueh-pao (Acta Meteorologica Sinica), Vol 33,
No 1, Feb 63, pp 25-26

Excerpts of English Abstract: A linear two-layer model is used in this paper to investigate the genesis and movement of disturbances in the upper and lower troposphere. The following, among other conclusions, are drawn:

"Disturbance develops when pressure wave precedes temperature wave" holds in the upper troposphere for long waves of more than 100,000 km; in the mid-troposphere for long waves of about 7,000 km; and throughout the whole troposphere for long waves of comparatively shorter lengths.

(continued)

In the basic current, when $u_1 - u_3 < \frac{\beta L^2}{4\pi^2}$ the upper part of the disturbance develops and the lower part dampens if the axis of trough tilts westward with height; the upper part dampens and the lower develops if the axis tilts eastward. When $u_1 - u_3 > \frac{\beta L^2}{4\pi^2}$ the upper and lower parts develop or dampen simultaneously.

Temperature and pressure waves may travel at different speeds and even in opposite directions.

Amplitude and speed of movement vary with time and depend on the structure of the basic current, wave length, and the vertical structure.

The paper was received for publication in July 1962.

Authors' Affiliation: Both of Institute of Geophysics [and Meteorology], Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

WANG Jung-hua (3769/2837/5478)

"The Tracks of Extratropical Low Pressure Centers in Eastern Asia"

Peiping, Ch'i-hsiang Hsueh-pao (Acta Meteorologica Sinica), Vol 33,
No 1, Feb 63, pp 15-24

Abstract: English abstract accompanies this research paper.

Thanks are extended to CH'ENG Ch'un-shu (4453/4783/2873) and T'AO Shih-yen (7118/6108/6056) for guidance and to the following for their participation in the statistical work: CHIEN Ch'i-ling (4675/3825/3781), LI Yu-fang (2621/3022/5364), and YANG Wen-hua (2799/5619/5478).

Author's Affiliation: Institute of Meteorological Research, Central Weather Bureau.

CH'EN Ch'iu-shih (7115/4428/1102)

"The Formation and Destruction of Thermal Wind in a Simple Baroclinic Atmosphere"

Peiping, Ch'i-hsiang Hsueh-pao (Acta Meteorologica Sinica), Vol 33,
No 1, Feb 63, pp 51-63

Abstract: English abstract accompanies this research paper.

The paper was received for publication in August 1962.

Author's Affiliation: Department of Geophysics, Peking University

C-O-N-F-I-D-E-N-T-I-A-L

CHANG Hsien-kung (1728/0341/1827)
K'UNG I (1313/5065)
HSU Ch'un (1776/5028)

"Preliminary Analysis of Abnormal Years in Precipitation Distribution in Eastern China in the First Six Decades of the Present Century"

Peiping, Ch'i-hsiang Hsueh-pao (Acta Meteorologica Sinica), Vol 33, No 1, Feb 63, pp 64-77

Abstract: English abstract accompanies this article.

Thanks are extended to Lu Wu (4151/6909), deputy director of the Central Weather Bureau, and to YANG Chien-ch'u (2799/7003/0443) for encouragement and guidance, respectively, in the writing of this paper. The participation of CHENG Hsiu-ya (6774/4423/7161) and YU Ming-hui (0151/2494/5610) in the research work is acknowledged.

The original and revised manuscripts were received by the editors in May and November, respectively, 1962.

Authors' Affiliation: Both of Institute of Meteorological Research, Central Weather Bureau.

TSO Ta-k'ang (1563/1129/1660)
WANG I-hsien (3769/2034/6343)
CH'EN Chien-sui (7115/1696)

"Spatial Distribution Characteristics of Total Solar Radiation Over China"

Peiping, Ch'i-hsiang Hsueh-pao (Acta Meteorologica Sinica), Vol 33, No 1, Feb 63, pp 78-96

Abstract: English abstract accompanies this article.

This paper was received for publication in July 1962; revised in October 1962.

Authors' Affiliation: All of Institute of Geography, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

HSU Hua-ying (1776/5478/5391)
KU Chen-ch'ao (7357/7201/3390)

"Formation of Precipitation Elements in a Shallow Warm Cloud Due to Gravitational Impact Under Fluctuating Conditions"

Peiping, Ch'i-hsiang Hsueh-pao (Acta Meteorologica Sinica), Vol 33, No 1, Feb 63, 108-114

Abstract: English abstract accompanies this article.

This paper was received for publication in June 1962.

Authors' Affiliation: Both of Institute of Geophysics [and Meteorology], Chinese Academy of Sciences.

LI Ch'i-ch'en (2621/0366/3819)
LU Ta-jen (0712/6671/0088)

"Radar-Wave Scattering Associated With Fluctuations in Atmospheric Refractive Index"

Peiping, Ch'i-hsiang Hsueh-pao (Acta Meteorologica Sinica), Vol 33, No 1, Feb 63, pp 115-125

Abstract: English abstract accompanies this article.

This paper was received for publication on 10 October 1962.

Authors' Affiliation: Both of Department of Geophysics, Peking University.

C-O-N-F-I-D-E-N-T-I-A-L

HO Miao-fu (0149/1181/4395)
 HU K'un-lin (5170/0981/2651)

"New Orbital Elements of Four Asteroids of the Hungaria Group"

Peiping, T'ien-wen Hsueh-pao (Acta Astronomica Sinica), Vol 11, No 1,
 Jun 63, pp 20-26

Abstract: This paper presents perturbation tables and new orbital elements for four asteroids: (1019) Strackea, (1025) Riema, (1103) Sequoia, and (1453) Fennia. Bohlin's method was used to calculate general perturbations; Tietjen's and Eckert's methods, to improve the orbital elements. Results are compared with those reported in the literature. The opposition ephemerides for 1963-1964, as determined by the authors, are given

Thanks are extended to SHAO Ch'ang-i (0605/2490/6318) and T'UNG Kuang-yu (4547/0342/5940) for help in computing the ephemerides.

This paper was received for publication in July 1962.

Authors' Affiliation: Both of Shanghai Astronomical Observatory,
 Chinese Academy of Sciences.

KUO Ch'uan-shih (6753/2938/0013)

"An Empirical Formula for Relative Sunspot Numbers"

Peiping, T'ien-wen Hsueh-pao (Acta Astronomica Sinica), Vol 11,
 No 1, Jun 63, pp 60-62

Abstract. English abstract accompanies this article. Chinese text shows derivation of empirical formula,

$$y = |110e^{-0.001t} \sin 0.052t| + \left[26 + \sum_{i=1}^{14} A_i \sin(n_i t + B_i) \right] \times |\sin 0.314t| = y_1 + \left[26 + \sum_{i=1}^{14} y_{2i} \right] \times y_3,$$

where t is 0.233 year.

This paper was received for publication on 28 December 1961.

Author's Affiliation: Purple Mountain Astronomical Observatory,
 Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

HSIA Wei-hung (1115/1218/1347)

"Preliminary Analysis of Observations Made With Impersonal Prismatic Astrolabe at Zikawei Observatory During 1958-1960"

Peiping, T'ien-wen Hsueh-pao (Acta Astronomica Sinica), Vol 11, No 1, Jun 63, pp 63-72

Abstract: English abstract accompanies this article. Chinese text states that the impersonal prismatic astrolabe used at Zikawei during this period was an OPL Model No 14.

This paper was received for publication in July 1962.

Author's Affiliation: Shanghai Astronomical Observatory, Chinese Academy of Sciences.

WANG Ch'uan-chin (3769/0278/2516)

"A Direct Current Amplifier for Photoelectric Photometry"

Peiping, T'ien-wen Hsueh-pao (Acta Astronomica Sinica), Vol 11, No 1, June 63, pp 74-77

Abstract: English abstract accompanies this article. Chinese text states that an instrument such as the one described has been in use [at the author's observatory] since May 1962.

This paper was received for publication in June 1962.

Author's Affiliation: Purple Mountain Observatory, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

HO T'ien-chien (6320/1131/0256)
CH'E Luo-t'ai (6508/0948/3141)

"Investigations of the Photoelectric Light Curves of DQ Cephei"

Peiping, T'ien-wen Hsueh-pao (Acta Astronomica Sinica), Vol 11, No 1,
Jun 63, pp 34-39

Abstract: English abstract accompanies this article.

Others who participated in the project, making some of the observations, were: WANG Ch'uan-chin (3769/0278/2516) and P'AN Ta-sheng (3382/1129/3932).

This paper was received for publication in August 1962.

Authors' Affiliation: Both of Purple Mountain Astronomical Observatory,
Chinese Academy of Sciences.

CHU Tz'u-sheng (2612/1964/0960-4141)

"Absolute Magnitude Difference of Rotating Stars With $i=90^\circ$ and $i=0^\circ$ "

Peiping, T'ien-wen Hsueh-pao (Acta Astronomica Sinica), Vol 11, No 1,
Jun 63, pp 21-47

Thanks are extended to CH'U Ch'in-yueh (2575/2953/1471) and TAI Wen-sai (2071/2429/6357) for invaluable suggestions.

This paper was received for publication in December 1962.

Author Affiliation: Department of Astronomy, Nanking University.

C-O-N-F-I-D-E-N-T-I-A-L

SU Ting-ch'iang (5685/1353/1730)

"A Preliminary Discussion of the Design of a Correcting Lens for Various Types of Reflecting Telescopes"

Peiping, T'ien-wen Hsueh-pao (Acta Astronomica Sinica), Vol 11, No 1, Jun 63, pp 49-57

Abstract: English abstract accompanies this article.

References: Four references are cited, including an earlier paper by the author, entitled "Analysis of Various Types of Astronomical Telescopes With Respect to Coma," Nan-ching Ta-hsueh Hsueh-pao Tien-wen-pan (Journal of Nanking University -- Astronomy), 1962.

The author's addendum, dated March 1963, reports the actual construction by Purple Mountain Observatory's subsidiary plant of a Cassegrain telescope with correcting lens as discussed in the present paper. The paraboloidal surface of the principal mirror is 300 mm in diameter; the oblate spheroidal surface of secondary mirror, 140 mm in diameter; focal length of system, 1,125 mm; and relative diameter, $A=1/3.75$.

(continued)

Author Affiliation: Purple Mountain Astronomical Observatory, Chinese Academy of Sciences. At one time associated with the Department of Astronomy, Nanking University, where work on the present paper was completed.

C-O-N-F-I-D-E-N-T-I-A-L

KUNG Shu-mu (7895/2885/2875)

"On the Current Theories of Stellar Evolution"

Peiping, T'ien-wen Hsueh-pao (Acta Astronomica Sinica) Vol 11, No 1,
Jun 63, pp 79-87

Abstract: English abstract accompanies this article.

This paper was received for publication in July 1962.

Author's Affiliation: Purple Mountain Astronomical Observatory,
Chinese Academy of Sciences.

SUN Yung-chu (1327/0061/6999)

"Fundamental Concept and Problems of Marine Transgression With Special
Discussion on Palaeozoic Faunas and Their Palaeogeographical Distribu-
tion in China"

Peiping, Ti-chih Hsueh-pao (Acta Geologica Sinica), Vol 43, No 2,
May 63, pp 99-113

Abstract: English abstract accompanies this article.

This paper was read at the Tenth Annual Meeting and the Second National
Representative Conference of the Chinese Society of Paleontology on
21 August 1962.

References: Of the 47 titles of bibliography, 20 are in Chinese, 2
in German, and 25 in English (including 9 articles by SUN Yun-chu and
one by WANG, Y. Dates of references published are from 1911 to 1963.

This paper was received for publication in August 1962.

C-O-N-F-I-D-I-N-T-I-A-L

HSU K'e-ch'in (1776/0344/0530)
SUN Nai (1327/7845)
WANG Te-tzu (3769/1795/3320)
HU Shou-hsi (5170/0649/1153)

"Investigation on the Polycyclic Granite Intrusions of South China,
With Special Notice of Their Ages of Intrusions, Distribution,
Characteristics, and Their Genetic Relations to Mineral Deposits"

Peiping, Ti-chih Hsueh-pao (Acta Geologica Sinica), Vol 43, No 2, May 6
May 63, pp 141-152

Abstract: English abstract accompanies this article.

The authors express thanks to LI P'u (2621/3877) and CHIANG Chih-chao
(5592/1807/6389) for offering the use of their statistical data and
also to the chemical laboratories of Kiangsi, Hunan, and Anhwei
geological bureaus for conducting chemical analysis on granite specimens.

References: Of 23 titles of bibliography, 20 are in Chinese, one in
Russian, and 2 in English. All publications were dated from 1948-1962.

This paper is Part IV of an article with the same title published in
Volume 43, No 1, 1963, pages 1-26, of identical source above and was
received for publication on 5 September 1962.

WANG Chung-kang (3769/0022/0474)
CHANG Ching (1728/7234)

"Investigation of the Mineral Chemistry of Uraninite"

Peiping, Ti-chih Hsueh-pao (Acta Geologica Sinica), Vol 43, No 2,
May 63, pp 193-200

Abstract: English abstract accompanies this article.

The authors express thanks to WEN Ch'eng-chi (3306/2052/1010) and KU
Li (0657/6849) for assistance in conducting field studies and to KUO
Ch'eng-chi (6753/2110/1015) for giving guidance, advice and reviewing
this entire paper.

References: The authors use 5 references in this paper, of which 3
were Russian and 2 Chinese, all dated 1957-1960.

This paper was received for publication on 25 December 1962.

C-O-N-F-I-D-E-N-T-I-A-L

CHIAO Ch'iao (0829/2884)
SHEN Shan-min (3088/0810/2404)
CHOU Shao-ch'uan (0719/4801/2938)

"Research on the Distribution of Black Earth Waters in North-Northeast China: 1. Special Basic Processes in the Distribution of Black Earth Water and Their Relationship to Soil Evolution"

Peiping, T'u-jang Hsueh-pao (Acta Pedologica Sinica), Vol 11, No 2, Jun 63, pp 143-157

Excerpts of Russian Abstract: This paper presents results of the investigation of black earth waters in North-Northeast China for the period 1954-1961. The authors list six preliminary conclusions derived from data of several years periods. Emphasis is on the factors of atmospheric precipitation, the processes of annual moisture-rotation, water balance, seasonal congealing, and thawed meadow types.

The author express their appreciation to SUNG Ta-ch'uan (1345/6671/3123), TS'ENG Chao-shun (2582/2507/7311), et al. for guidance and assistance.

Authors' Affiliation: All of Institute of Forestry and Pedology, Chinese Academy of Sciences.

C-C-N-I-D-E-N-T-I-A-L

LI Ch'ang-hua (2621/2490/5478)
HO Wang-yun (0149/5502/0061)

"Classification, Properties, and Formation Processes of Salt Marshes in the Sungari-Nungkiang Plains"

Peiping, T'u-jang Hsueh-pao (Acta Pedologica Sinica), Vol 11, No 2, Jun 63, pp 196-209

Excerpts of Russian Abstract: This paper analyzes the chemical and morphological characteristics of saline soils which the authors investigated in the Sungari-Nungkiang plains. Main classification: "solonchak" [salt marsh], "solonetz" [dark strongly-alkaline soil], and meadow soils. Soil composition: mainly sodium bicarbonate, sodium carbonate, sodium sulfate, and sodium chloride. The authors also describe the soil salination processes on river and lake flood-plains.

The authors express their appreciation to LIN Pai-ch'un (2651/4101/5028), LIU Huan-i (0491/3562/0001), SUN Lien-chia (1327/6647/3946), and SUNG Ch'un-jung (1345/2504/2837) for assistance in conducting field research work.

(continued)

References: Eighteen bibliographies were mentioned by the authors of this paper, of which 14 were Chinese (including translation of 6 Russian papers), Japanese, and one Russian. The date span of these references is from 1938 to 1961.

Authors' Affiliation: LI of Institute of Forestry and Pedology, Chinese Academy of Sciences; HO of Northeast Agricultural College.

C-O-N-F-I-D-E-N-T I-A-L

LIU Chih-kuang (0491/1807/0342)
YU T'ien-jen (0060/1131/0088)

"Studies of Electrochemical Properties of Soils: II. Application of the Microelectrodes in the Study of Soils"

Peiping, T'u-jang Hsueh-pao (Acta Pedologica Sinica) Vol 11, No 2, Jun 63, pp 160-169

Abstract: English abstract accompanies this article.

The authors express their appreciation to KUNG Fan-lien (1313/4907/6647) for his assistance and to CH'EN Hsiang-chung (7115/3276/0022) and SU Yu-sheng (5685/3254/3932) for installing a microelectrode system and building an electric conductance apparatus for this study.

References: Two Chinese, 3 Russians, 8 American, 2 German, and one French sources were listed as references to this paper. One paper in French was published in Proc. 9th Meeting Intern. Comm. Electrochem. Thermodynam. Kinetics, pages 232-234.

Authors' Affiliation: Both of the Institute of Soil Science, Chinese Academy of Sciences.

CH'EN Chia-fang (7115/1367/0972)
CHIANG P'ei-hsien (5592/0160/1720)

"Ammonium Absorption of Some Paddy Soils"

Peiping, T'u-jang Hsueh-pao (Acta Pedologica Sinica), Vol 11, No 2, Jun 63, pp 171-182

Abstract: English abstract accompanies this article.

References: Of the 28 bibliographies referred to in this paper, 7 were in the Chinese, 4 in Russian, 4 in Japanese, 12 in English and one in German. Two papers were presented at the Trans. 4th Intern. Congr. Soil Sci., Amsterdam. All these papers were published prior to 1962.

Authors' Affiliation: Both of Institute of Soil Science, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

CHU Chao-liang (2612/0340/5328)
WANG Tsu-ch'iang (3076/4371/1730)
HSU Ying-hua (1776/6892/5478)

"Investigation of Nitrogen Supplying Regime of Soils: II. The Transformation of Ammonium Sulfate in Rice Soils and Its Influence on the Soil Nitrogen Supplying Status"

Peiping, T'u-jang Hsueh-pao, (Acta Pedologica Sinica), Vol 11, No 2, Jun 63, pp 185-194

Abstract: English abstract accompanies this article.

References: The authors made references to 26 bibliographies, of which 6 were in Chinese, one in Russian, and 19 in English (including one by a Chinese, H. H. CHENG, published in 1961).

Authors' Affiliation: All of Institute of Soil Science, Chinese Academy of Sciences, Nanking.

LI Yao-hui (7812/5069/6540)

"A Comparative Study of Several Methods for Determining Available Phosphorus in Calcareous Soils"

Peiping, T'u-jang Hsueh-pao (Acta Pedologica Sinica), Vol 11, No 2, Jun 63, pp 215-219

Abstract: English abstract accompanies this article.

The author expresses thanks to CHENG Tse-ch'un (6774/3419/5028), HOU San-yu (0186/0005/1946), PAI Szu (4101/0247), YANG Hung-mei (2799/7703/2734), and LIU Jen (0491/0086), all of the Department of Agricultural Chemistry, Northwest Agricultural College, for their experimental and analytical work on this subject.

Authors' Affiliation: Department of Agricultural Soils, Northwest Agricultural College.

C-O-N-F-I-D-E-N-T-I-A-L

TS'ENG Chao-shun (2582/2507/7311)
CHUNG Chi-ping (1641/1323/1456)
LI Mei-p'ing (2621/5019/1627)

"On the Genesis and Classification of Paichiang Soils"

Peiping, T'u-jang Hsueh-pao (Acta Pedologica Sinica), Vol 11, No 2,
Jun 63, pp 111-128

Abstract: English abstract accompanies this article.

The authors express thanks to SUNG Ta-chuan (1345/6671/3123) for
guidance.

Author's Affiliation: All of Institute of Forestry and Pedology,
Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

C-O-N-F-I-D-E-N-T-I-A-L

FANG Chao-lun (2355/5128/0243)
SUNG Ta-ch'uan (1345/6671/3123)
YEH P'ing (5509/3521)

"Trace Elements in the Soils of Northeast China and Eastern Inner Mongolia"

Peiping, T'u-jang Hsueh-pao, (Acta Pedologica Sinica), Vol 11, No 2, Jun 63, pp 130-141

Abstract: English Abstract accompanies this article.

The authors acknowledge the assistance given by CHANG K'uei-lan (1728/2710/5695), MAO Pei-yuan (3029/1010/0337), and WANG Su-ch'un (3769/4790/2504) in reviewing this paper.

References: Three Russian, one English, and one Chinese references are listed, all published prior to 1960, except the Chinese paper, by FANG Chao-lun (2355/5128/0243), which will soon be published.

Authors' Affiliation: All of Institute of Forestry and Pedology, Chinese Academy of Sciences.

FANG Ch'ing-sheng (2868/1987/4563)

"Development and Research on Soil Nitrogen-Fixing Bacteria in China"

Peiping, T'u-jang Hsueh-pao, (Acta Pedologica Sinica), Vol 11, No 2, Jun 63, pp 220-226

Abstract: Not given.

References: A total of 56 references are listed, all of which were written by Chinese authors and dated from 1954 to 1962.

Technical Sciences

WANG Kuang-yuan (2769/0342/6678)

"Theory of Dynamic and Static Analysis of Single-Story Factory Buildings With Consideration of Space Action"

Peiping, T'u-mu Kung-ch'eng Hsueh-pao (Chinese Journal of Civil Engineering), Vol 9, No 1, Jan 63, pp 3-17

Abstract: In separate sections, the author considers the reaction of single-story factory buildings to loads due to free vibration, forced vibration, seismic activity, harmonic oscillation, and wind, as well as suddenly applied loads. He proposes a general theory of static analysis for single-story buildings and a simplified theory for analysis of single-story buildings which are equal in height in all directions.

Thanks are extended to CHOU Hsi-yuan (0719/6932/0337), of the Institute of Civil Engineering, Chinese Academy of Sciences, for undertaking some of the computational work.

References: The latest bibliographic entry is dated 1962.

Author's Affiliation: Harbin Architectural Engineering College.

"The Heat Resistance of Ordinary Steel-Reinforced Concrete Structures (I)"

Peiping, T'u-mu Kung-ch'eng Hsueh-pao (Chinese Journal of Civil Engineering), Vol 9, No 1, Jan 63, pp 18-25

Excerpts of Chinese Abstract: This article presents the results of a survey and experiments undertaken to study the heat-resistance property of ordinary steel-reinforced concrete structures under uniformly applied heat of 250 degrees centigrade. It was found that when heat was applied to concrete, its modulus of elasticity rose, strength decreased, and residual deformation augmented. Cold, strong steel reinforcements can be used in structures which have been heated to temperatures within a certain range. The load-bearing capacity of a simply supported beam of steel-calculation based on the reduced strength of the heated material is proposed. Heating reduced the beam's rigidity, but increased its tendency to bend and crack.

References: Eight Russian and 11 Chinese references are cited. The Chinese references are reinforced concrete research reports prepared by various components of ministerial research institutes and published in 1958-1962. Those units are: Steel-Reinforced Concrete Division (tsu) (6921/4585/3236/0413/0960/4371), High Temperature Structures Division (5082/3583/4817/2845/4371), and Concrete Structures Division (3236/0413/

(continued)

0960/4817/2845/4371), all of the Structures Laboratory (4817/2845/1358) of the Building and Construction Research Institute (1696/4639/4282/4496/7108) of the Ministry of Metallurgical Industry; the General Design Institute for Ferrous Metallurgy (7815/5331/0396/6855/6080/6060/4920/7108); and the Construction Research Laboratory (1696/4639/4282/4496/1358) of the First Design Institute of the First Ministry of Machine Industry.

The work reported in the article reportedly began in 1957 and was still under way in 1960.

Authors' Affiliation: No personal name is given. The High Temperature Structures Division and the Steel-Reinforced Concrete Structures Division, both of the Architectural Engineering Structures Laboratory (1696/4639/1562/4453/4817/2845/1358), Building and Construction Research Institute of the Ministry of Metallurgical Industry, are named as the contributors of this article. "Architectural Engineering Structures Laboratory" presumably is the unabbreviated designation for the Structures Laboratory mentioned above, as well as for Engineering Structures Laboratory which is also mentioned in the article.

C-O-N-F-I-D-E-N-T-I-A-L

TU Kung-ch'en (2629/2126/6591)
HSIA Ching-hua (1115/7231/5478)

"On the Problem of Safety in Ultimate Design of Reinforced Concrete Structures"

Peiping, T'u-mu Kung-ch'eng Hsueh-pao (Chinese Journal of Civil Engineering), Vol 9, No 1, Jan 63, pp 26-31

Excerpts of Chinese Abstract: A current trend in structural design is the use of several coefficients to calculate the safety of reinforced concrete structures in ultimate design. The present article defines those coefficients and simplifies the method currently used.

The article was written after the annual meeting of the Chinese Society of Civil Engineers was convened in September 1962.

Authors' Affiliation: Both of the Research Institute of Architecture and Construction (Chien-chu K'o-hsueh Yen-chiu-yuan, 1696/4639/4430/1331/4282/4496/7108) of the Ministry of Building.

LI Ming-shun (2621/2494/7311)
LI Chen-ch'ang (2621/2182/7022)

"On Sampling Inspection of the Strength of Steel Reinforcements"

Peiping, T'u-mu Kung-ch'eng Hsueh-pao (Chinese Journal of Civil Engineering), Vol 9, No 1, Jan 63, pp 37-44, 91

Excerpts of Chinese Abstract: The article investigates the reliability of several methods commonly used in the sampling inspection of steel reinforcements for strength, pointing out the probability of mistaking poor-quality products for high-quality ones when using those methods. Problems related to the statistical analysis of the strength of steel reinforcements are discussed and significant parameters are noted. Finally, a new procedure of inspection is proposed, based on single, quantitative sampling.

References: The latest bibliographic entry is dated August 1961.

Thanks are extended to Prof CHOU Hua-chang (0719/5478/4545), Mathematics Teaching and Research Section, Tsinghua University, for reading the manuscript and offering many invaluable suggestions.

Authors' Affiliation: Both of the Research Institute of Architecture and Construction (Chien-chu K'o-hsueh Yen-chiu-yuan, 1696/4639/4430/1331/4282/2296/7108), Ministry of Building.

C-O-N-F-I-D-E-N-T-I-A-L

HO Kuang-ch'ien (0149/1684/0051)
WEI Lien (7614/8830)

"Calculation of Thermo-Stresses in Circular Cylindrical Shells"

Peiping, T'u-mu Kung-ch'eng Hsueh-pao (Chinese Journal of Civil Engineering), Vol 9, No 1, Jan 63, pp 45-52

Translation of Chinese Abstract: This paper investigates the calculation of thermo-stresses in circular cylindrical shells with axial symmetry and in open circular cylindrical shells with side beams simply supported. The derivations of differential equations for shells and of formulas for the calculation of inner forces are shown. Soviet Prof V. Z. Vlasov's formulas and method of calculation are discussed and their weaknesses pointed out. A method for correcting those weakness is proposed.

References: The most recent reference cited is dated 1962 and is in Chinese.

Authors' Affiliation: Both of Research Institute of Architecture and Construction (Chien-chu K'o-hsueh Yen-chiu-yuan, 1696/4639/4430/1331/4282/4496/7108) of the Ministry of Building.

C-O-N-F-I-D-E-N-T-I-A-L

C-O-N-F-I-D-E-N-T-I-A-L

TSOU Hsi-mou (6760/1835/8574)

"Shear Strength of Partially Consolidated, Saturated Soft-Clay Foundation Under Loading"

Peiping, T'u-mu Kung-ch'eng Hsueh-pao (Chinese Journal of Civil Engineering), Vol 9, No 1, Jan 63, pp 53-57, 91

Translation of Chinese Abstract: An analysis is presented of the experimental data reported by previous investigators on the relationships between shear strength, water content, and effective stresses of saturated clays. The conclusions drawn by Henkel (1959, 1960) concerning the characteristics of the strength pattern of two saturated soil samples of high clay content are considered applicable to primary, saturated, soft clays. Basing on this assumption, the author describes the behavior of clay under the effects of loading from the time its consolidation begins until it cracks. He also presents a method, for estimating the shear strength under loading. According to this method, which is called "the water-content method," the condition due to water content and effective stresses is used to substitute total water pressure and the corresponding pore water pressure of shear area which are calculated in the "effective stress method" when clay is in the state of ultimate equilibrium.

(continued)

References: The latest bibliographic entry is dated 1962.

Author's Affiliation: Nanking Institute of Hydrotechnical Research (Nan-ching Shui-li K'o-hsueh Yen-chiu-so, 0589/0079/3055/0448/4282/4498/2076) of the Ministry of Water Conservancy and Electric Power and the Ministry of Communications.

C-O-N-F-I-D-E-N-T-I-A-L

CHOU Ching (0719/6975)
LI Hui-k'ang (2621/1920/1660)
CHENG Ming-ch'eng (6774/2494/2052)

"Model Tests and Calculation of Earth Pressure for Gravity Retaining Walls"

Peiping, T'u-mu Kung-ch'eng Hsueh-pao (Chinese Journal of Civil Engineering) Vol 9, No 1, Jan 63, pp 59-73

Abstract: In model tests, the slip system of ballast behind a gravity retaining wall is analyzed. Formulas are derived for the calculation of earth pressure and other parameters.

References: The latest bibliographic entry is dated 1960.

Authors' Affiliations: CHOU, Research Institute of Railway Science; others, Design Institute for Railways.

CHANG Tsu-wen (1728/4371/5113)

"The Relation Between the Physical Indexes of Clayey Soil and the Mechanical Indexes As Determined in Loading Tests"

Peiping, T'u-mu Kung-ch'eng Hsueh-pao (Chinese Journal of Civil Engineering), Vol 9, No 1, Jan 63, pp 74-77

Abstract: The study presented in this paper was undertaken for the purpose of drawing up a Natural Foundations Code for China. Thirty-two organizations representing 16 provinces in the country contributed the 355 items of experimental data on loading tests, which data the author used in his calculations.

References: The latest bibliography entry is in Russian and dated 1960.

Author's Affiliation: Footings and Foundations Laboratory (Ti-chi Chi-ch'u Yen-chiu-shih, 0996/1015/1015/4342/4282/4496/1358) of the Research Institute of Architecture and Construction, Ministry of Building.

C-O-N-F-I-D-E-N-T-I-A-L

CH'EN Ping-lin (7115/2671/7792)
JAO Hung-yen (7437/7703/7159)

"The Use of Lime-Soil in Road Construction"

Peiping, T'u-mu Kung-ch'eng Hsueh-pao (Chinese Journal of Civil Engineering), Vol 9, No 1, Jan 63, pp 78-86

Abstract: The paper presents technical data, based on research and practical experience, on the use of lime for stabilizing soils in road construction. Factors affecting the strength of lime-soil, the scope of its application, its role in stabilizing pavements, thickness design, and major steps and problems in paving with lime-soil are discussed under separate headings.

Authors' Affiliation: Both of Research Institute of Communications Science (Chiao-t'ung K'o-hsueh Yen-chiu-yuan, 0074/6639/4430/1331/4282/4496/7108), Ministry of Communications.

LI Hsien-fa (2621/2009/3127)

"On the Size Grading of Coal and Sand Particles in a Compound Filter Medium for a Rapid Filter Tank"

Peiping, T'u-mu Kung-ch'eng Hsueh-pao (Chinese Journal of Civil Engineering), Vol 9, No 1, Jan 63, pp 87-91

Abstract: The paper presents a study of the relationship between the efficiency of a compound filter medium and the size of the coal and sand particles contained in it. The size limits of anthracite coal and quartz sand in such medium for a rapid filter tank are calculated from the standpoint of hydrodynamics.

References: The latest bibliographic entry is a 1960 Chinese translation of a Russian work on chemical engineering.

Author's Affiliation: Institute of Municipal Engineering (Shih-cheng Kung-ch'eng Yen-chiu-so), Ministry of Building.

HSU Wei-chun (6079/4850/6874)

"The Correlation Between the Sizes of Coal and Sand Particles in a Compound Filter Medium for Rapid Filter Tank"

Peiping, T'u-mu Kung-ch'eng Hsueh-pao (Chinese Journal of Civil Engineering), Vol 9, No 1, Jan 63, pp 92-94

Excerpts of Chinese Abstract: The correct sizes of particles in the compound filter medium have much to do with the efficiency of a rapid filter tank. By analyzing experimental data, the present paper points out that the usual method of calculation is, in some respects, irrational. A new method is proposed for the calculation of maximum and minimum grain sizes for coal and sand, respectively, when used in combination.

The tests cited in the paper were undertaken by CHANG Ning (1728/2899). The data which were analyzed included some specifications given in the "Outdoor Water Supply Engineering Design Code for Industrial Enterprises and Residential Areas," which was drafted in November 1961 by the Water Supply and Drainage Design Institute (Kei-shui P'ai-shui She-chi-yuan 4822/3055/2226/3055/6080/6060/7108) of the Ministry of Building.

Author's Affiliation: Institute of Municipal Engineering (Shih-cheng Kung-ch'eng Yen-chiu-so, 1579/2398/1562/4453/4282/4496/2076) of the Research Institutes of Architecture and Construction, Ministry of Building.

HAN Chia-t'ung (7281/0857/2717)

YUAN Pi-k'un (5913/1801/1024)

"Characteristics of Traditional Uighur Architecture in Sinkiang"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 1, Jan 63, pp 17-22

Excerpts of Chinese Abstract: This article gives a brief explanation of the general characteristics, methods of handling, and artistic effectiveness of traditional Uighur architecture. No special attention is given to its relationship to history, nationality, or area or to its artistic features or structural elements.

Authors' Affiliation: Both of the Laboratory of Architectural Theory and History, Academy of Architectural Engineering.

C-O-N-F-I-D-E-N-T-I-A-L

WANG T'ing (3769/2185)

"Suggestions for the Designinf of Rural Dwelling Houses"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 1, Jan 63,
pp 2-4

Abstract: Not given.

This paper was rewritten by the author from his previous work, "Several Concepts and Ideas on the Designing of Rural Dwellings," at the request of the editorial department, Chien-chu Hsueh-pao.

WANG Ts'ui-lan (3769/5050/5695)
CHAO Ch'in-chih (6392/3830/1013)

"Dwelling Houses of the Pai Tribe Along Lake Erh-hai"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 1, Jan 63,
pp 5-8

Abstract: Not given.

The authors express thanks to T'U Chin (3205/3160), JEN Hua-k'un (0117/5478/1024), JUNG Ling-kuang (1369/7227/0342), and others for arranging the data from the investigations.

Authors' Affiliation: Both of the Minority Architecture Investigating Section, Design Institute of the Construction Department, Yunnan Province.

C-O-N-F-I-D-E-N-T-I-A-L

SUN I-t'ai (1327/0110/3141)

"A Brief Description of the Ma-lan Architecture of the Chuang Minority in Kwangsi"

Peiping, Chien-chu Hsueh-pao (Chinese Journal of Architecture), No 1, Jan 63, pp 9-11

Abstract: Not given.

Members of the investigating team included WEI Jao-jung (7279/7437/1369), MO Po-ku (5459/0590/0657), CHENG Hua-tung (6774/5478/2767), WU Chi-ch'ing (0702/4764/3237), SU Tsung-ch'ing (5685/1350/1987), and LIANG Chin-huang (2733/6930/3874).

Author's Affiliation: Chuang Minority Dwelling Investigating Team, General Design Institute, Construction Bureau, Kwangsi Chuang Autonomous Region.

TS'UI Shu-chia (1508/2885/4471)

"Dwelling Houses of Eastern Tsinghai Province -- Adobe Cottages"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 1, Jan 63, pp 12-14

Abstract: Not given.

The author expresses thanks to HAN Kuang-yu (7281/1684/3768), LI CHIH-hsin (2621/1807/2450), and WEI Hsin-min (7514/2450/3046) for proofreading the article and to TAI Kuei-wen (2071/6311/2429) for his work on the illustrations.

C-O-N-F-I-D-E-N-T-I-A-L

CHANG Fang-yuan (1728/5364/6678)

FU I (0592/3015)

TU Wan-hsiang (2629/5502/7449)

"A Layout of the Dwelling Houses for the Korean Nationality"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 1, Jan 63,
pp 15-16

Abstract: Not given.

LI Tzu-fu (2621/1311/1133)

LI Hsueh-shan (2621/1331/1472)

"Storied Dwelling Houses With Hearth Heating"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 1, Jan 63,
p 23

Abstract: Not given.

C-O-N-F-I-D-E-N-T-I-A-L

CHIN Chia-chun (6855/1367/7486)

"Natural Ventilation for Civil Architecture"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 1, Jan 63,
pp 24-27

Abstract: Not given.

References: Four Japanese, one Indian, one English, and one Chinese,
dated 1956-1962.

LUNG Fei-liao (7893/7236/0055)

"Lightning-Conductive Measures of Ancient Chinese Architecture"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 1, Jan 63,
pp 28-29

Abstract: Not given.

C-O-N-F-I-D-E-N-T-I-A-L

C-O-N-F-I-D-E-N-T-I-A-L

CHENG Kuang-fu (6774/0342/1788)

"On Simplicity and Superfluosness of Architectural Decoration"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 1, Jan 63,
pp 30-31

Abstract: Not given.

MAO Chin-hsiang (3029/0037/3068)

"Rural Housing Design for Northeast China"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 2, Feb 63,
pp 1-5

Abstract: Not Given.

The author expresses thanks to SHANG Ju-tsan (1424/0354/6363), HUANG Yuan-p'u (7806/0337/3184), IJU Chih-chung (0491/1013/0022), and CH'U I-ch'en (2806/5030/5256) for arrangement of material and the charts and sketches.

HAO Li-chu (6787/0500/1337)

"Some Experiences of Rural Housing in Heilungkiang Province"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 2, Feb 63,
pp 6-7

Abstract: Not given.

CHENG Ping-wen (6774/3521/2429)

"Some Designs of New Rural Housing in Kirin Province"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 2, Feb 63,
pp 8-9

Abstract: Not given.

The author expresses thanks to HU Ch'ing-lu (5170/1987/6922), HSIUNG Po-jung (3574/0130/2837), WEN Cheng (2429/2398), CHUNG Mao-fang (6988/5399/5364), YUAN P'ei-lin (5913/1014/7207), HSIA Chieh-ju (1115/3381/1172), SHIH Chiu-ju (0670/0046/1172), and WANG Cheng-pen (3769/2973/2609), all of the Design Institute for Construction, Kirin Province, for their help in arrangement of materials and the sketches.

C-O-N-F-I-D-E-N-T-I-A-L

CH'U Tzu (0575/5261)

"On the Designing of Standard Rural Housing"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 2, Feb 63,
pp 10-14

Abstract: Not given.

The author expresses thanks to JEN Li-ch'eng (0117/4409/4453), WAN Chang-ju (5502/2490/0354), and SUN Chih-hsiang (1327/0037/4382) for their help in the arrangement of materials.

WANG T'ing-hyi (3769/1656/5610)

"The Brief Methods of Architectural Perspective"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 2, Feb 63,
p 14

Abstract: Not given.

C-O-N-F-I-D-E-N-T-I-A-L

TS'ENG Kuang-pin (2582/1684/1755)

"Project for Storyed Rural Housing With Reinforced Concrete Structural Members"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 2, Feb 63
pp 15-16

Abstract: Not Given.

The author expresses thanks to CH'EN Hsi-hsien (7115/1581/6343), CHENG Ching-wei (6774/4842/4885), CHOU P'ing (0719/1627), and CH'IAN K'o-nan (1730/0344/7181) for their participation in arrangement of materials and the sketches.

CH'EN Ts'ui-fen (7115/5050/5350)

"Some Selected Designs of the New Houses in Shanghai"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 2, Feb 63,
pp 17-18

Abstract: Not Given.

Members of the Peking Design Academy of Coal Mines and the Peking Forestry College participated in the research on special problems.

Author's Affiliation: City and Village Section, Research Academy of Construction.

C-O-N-F-I-D-E-N-T-I-A-L

YU Chia-chao (0060/1367/5128)

"Housing District Planning for Coal Mines"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 2, Feb 63,
pp 19-21

Abstract: Not given.

Members of the Peking Design Academy of Coal Mines and the Peking Forestry college participated in the research on special problems.

Authors' Affiliation: City and Village Section, Research Academy of Construction.

C-O-N-F-I-D-E-N-T-I-A-L

C-O-N-F-I-D-E-N-T-I-A-L

TAN Shih-yuan (0830/1102/0337)

"Master Craftsman of the Imperial Palaces, Designer Lei"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 2, Feb 63,
pp 22-23

Abstract: Not given.

CHOU Wei-ch'uan (0719/4850/2938)

"On Architectural Proportion"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 2, Feb 63,
pp 24-25

Abstract: Not given.

C-O-N-F-I-D-E-N-T-I-A-L

C-O-N-F-I-D-E-N-T-I-A-L

HAN Te-ch'ao (7261/1795/6389)

"On the Problem of Locating Doors and Hearth-Heated Beds on the South Side of the Plan for Rural Housing in North East China"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 2, Feb 63,
p 26

Abstract: Not given.

SUNG Ching-chiao (1345/2529/6738)

"Discussions on the Article 'On the Project of a Hall-Type Plan for a Primary School'"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 2, Feb 63,
p 27

Abstract: Not given.

C-O-N-F-I-D-E-N-T-I-A-L

CHANG Yu-k'ao (1728/3022/4430)
TU Pai-ts'ao (2629/4101/2347)
HSU Te-kung (6079/1795/1872)
JUAN Shao-hsien (7086/4801/0341)

"Discussions on the Article 'On the Project of a Hall-Type Plan for a Primary School'"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 2, Feb 63,
p 28

Abstract: Not given.

CH'EN Shih-min (7115/0013/3046)

"Housing Designs Abroad"

Peiping, Chien-chu Hsueh-pao (Journal of Architecture), No 2, Feb 63,
p 29

Abstract: Not given.

Chemistry, Mathematics, and Physics

YANG P'i-p'eng (2799/0012/7720)

"Lattice Energy of Ionic Crystals and Electronegativity of Ions"

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Sinica), Vol 29, No 2, Apr 63, pp 143-145

Translation of Russian Abstract: It has been shown that for calculating the lattice energy of a compound, which is not a typical ion, one can use the following equation, where U_1 --quantities calculated according to

$$U = U_1[1 + 0.23 (x_k - 0.35 x_A)]$$

Kapustinskiy's equation; x_k , x_A --electronegativity of the cation and anion constituents of this crystal.

Lattice energies of 128 compounds were calculated by the equation and compared to experimental values obtained on the basis of the Born-Haber cycle. Calculated and experimental values were found to be in satisfactory agreement.

(continued)

References: Eight English and six Russian, dated 1932-1961.

This paper was received for publication on 6 June 1961; the revised version was received on 3 August 1961.

Authors' Affiliation: Department of Chemistry, Yunnan University.

C-O-N-F-I-D-E-N-T-I-A-L

HAN Kuang-tien (7281/1684/3949)
HUANG Ming-lun (7806/7686/7893)

"The Configuration of 6-Menthyl-6-Hydroxy-Steroid"

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Sinica), Vol 29, No 2,
Apr 63, pp 109-113

Text of English Abstract: Acid cleavage of beta-epoxide (IX) gave 6 alphanethyl cholestan-3 beta, 5 alpha, and 6 beta-triol (VII a) identical with that obtained by treatment of 3 beta-acetoxy-5 alpha-hydroxy-cholestan-6-one (VI b) with methyl magnesium iodide. Elimination of 5 alpha-hydroxy of compound X with alkali gave XI, which is the isomer of XIII obtained from XII by treatment with alkali. These results confirm the conclusion of Fiester, Shiota, that Grignard reaction of 6-oxo-5 alpha-steroid involves the least hindered alpha-attack by the reagent.

References: Seven English, one Japanese, and one Chinese by the authors of this paper and one other, dated 1949-1960.

This paper, received for publication on 1 August 1962, was read before the Shanghai Chemical Industry Annual Conference in October 1961.

Authors' Affiliation: Both of the Institute of Organic Chemistry, Chinese Academy of Sciences.

CHEN Chung (3088/6945)

"Studies on the Heat Stability of Silica Gels"

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Sinica), Vol 29, No 2,
Apr 63, pp 67-77

Abstract: English abstract accompanies this article.

References: Eight English, four Russian, and five Chinese, two of the latter by the author of this article, dated 1927-1960.

This paper was received for publication on 27 August 1960.

Author's Affiliation: Department of Pharmacy, Peking Medical College.

C-O-N-F-I-D-E-N-T-I-A-L

WANG K'uei (3769/5688)

"The Masking of Hydrolytic Precipitation Reactions of Metallic Ions,
1. The Masking of Manganese (II) and Copper (II) Ions"

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Sinica), Vol 29, No 2,
Apr 63, pp 78-85

Abstract: English abstract accompanies this article.

This paper was received for publication on 26 February 1962.

Author's Affiliation: Laboratories of Analytical Chemistry, Peking
Medical College.

CHANG Kung (1728/1562)
LEI I-ming (7191/0001/7686)
CHUNG K'ung-fang (6988/1313/5364)
HO Tan-yun (0149/3225/7189)
SUN Ch'eng-o (1327/2110/6166)

"Studies on the Menshutkin Reaction: 2. The Kinetics of the Reaction
of Quinoline-Menthyl Iodine in Some Aliphatic Alcohols"

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Sinica), Vol 29, No 2,
Apr 63, pp 90-93

Abstract: English abstract accompanies this article.

References: Seven English, two Russian, one German, and one Chinese
by SUN of this paper and others, dated 1936-1961, except for German
reference, dated 1890.

This paper was received for publication on 17 June 1962.

Authors' Affiliation: All of the Chemistry Department, Peking University.

C-O-N-F-I-D-E-N-T-I-A-L

JU Hao-ch'ing (0702/3185/7230)
LIN Chih-ch'eng (2651/1807/2052)

"The Zero Charge Potential of Antimony"

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Sinica), Vol 29, No 2, Apr 63,
pp 95-98

Abstract: English abstract accompanies this article.

References: Three Russian, dated 1951-1955; one Chinese by the authors
of this paper; and one other, dated 1962.

This paper was received for publication on 26 June 1962.

Authors' Affiliation: Both of the Department of Chemistry, Fudan
University.

WANG Yu (3076/3731)
HSU Chieh-ch'eng (1776/2638/6134)
LU Jen-jung (7120/0088/2837)
HUANG Kang (7806/0474)
HUANG Ching-chen (7806/2417/1017)

"Studies On Peptides: 1. Synthesis of Protected N-Terminal Pentapeptides
of the A-Chain of Insulin"

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Sinica), Vol 29, No 2, Apr 63,
pp 114-131

Abstract: English abstract accompanies this article.

References: Some 50 references, mostly English.

This paper was received for publication on 6 August 1962; part of the
work done for this paper is a portion of a graduate student's disserta-
tion.

Authors' Affiliation: All of the Institute of Organic Chemistry, Chinese
Academy of Sciences; HUANG Kang also is a practice researcher of the
Institute of Biochemistry, Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

LI Ch'ung-hsi (2621/1504/3556)
LU Te-p'ei (7120/1795/1014)
CHUNG Ming-che (1728/2494/0772)
WU Shao-lan (0124/1421/5695)
HSING Ch'i-i (6717/0366/3015)

"Cysteine Peptides: 1. Synthesis of a Protected Hexapeptide With the Amino-Acid Sequence Six-Eleven of the A-Chain of Insulin"

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Sinica), Vol 29, No 2, Apr 63, pp 133-141

Abstract: English abstract accompanies this article.

References: Sixteen English, three Chinese, and one Swiss, dated 1935-1961, most in the last 10 years.

This paper was received for publication on 27 September 1962.

Authors' Affiliation: All of the Organic Chemistry Section, Chemistry Department, Peking University.

LIANG Hsiao-t'ien (2733/2556/1131)

"The Hydrolysis of o-Nitroanilines"

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Sinica), Vol 29, No 2, Apr 63, p 147

Abstract: English abstract accompanies this article.

This paper was received for publication on 31 July 1962.

Author's Affiliation: Institute of Materia Medica, Chinese Academy of Medical Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

CHANG P'ang (1728/3316)
HU Ch'ang-ming (5170/2490/2494)

"Experimental Evidence Concerning the Transformation of 2,3-anhydro-d-allopyranoside to 3,6-anhydro-d-glucopyranoside"

Peiping, Hua-hsueh Hsueh-pao (Acta Chemica Sinica), Vol 29, No 3, Jun 63, pp 166-172

Abstract: English abstract accompanies this article.

References: Eighteen English, four German, and one Scandinavian, dated from the 1930s through the 1950s, the latest being 1959.

This paper was received for publication on 30 May 1962.

Authors' Affiliation: CHANG, Department of Chemistry, Peking University; HU, Institute of Applied Chemistry, Chinese Academy of Sciences.

WU Chin-kuang (0702/3866/0342)
HSU Kuang-hsien (1776/0342/2009)

"Ionization Constance of d-tarparic Acid and Stability Constance of Tartrate Complexes of the Alkaline Metal Ions"

Peiping, Hua-hsueh Hsueh-pao (Acta Chemica Sinica), Vol 29, No 3, Jun 63, pp 173-180

Abstract: English abstract accompanies this article.

References: Six English, two German, one Swiss, one French, and one Italian, dated 1920-1954; one Chinese by authors of this article; and one other, dated 1957.

This paper was received for publication on 9 June 1962.

Authors' Affiliation: Both of Peking University.

C-O-N-F-I-D-E-N-T-I-A-L

HSU Yuan-sen (1776/0337/3773)
TSOU Yuan-hsi (6760/0337/8764)

"Activities in $PbCl_2$ - $SnCl_2$ and $PbCl_2$ - $CdCl_2$ Melts"

Peiping, Hua-hsueh Hsueh-pao, (Acta Chemica Sinica), Vol 29, No 3,
Jun 63, pp 181-188

Abstract: English abstract accompanies this article.

References: Six English and four German, dated 1923-1961; one Chinese,
the authors of which include TSOU of this paper, dated 1962.

This paper was received for publication on 16 June 1962.

Authors' Affiliation: Both of the Institute of Metallurgy, Chinese
Academy of Sciences.

WANG Yu (3076/3731)
HUANG Ching-chien (7806/2417/1017)
CHANG Wei-chun (1728/0251/0689)
T'U Ch'uan-chung (1458/0278/1318)
WANG Chih-chin (3769/1807/0530)
HSU Yuan-yao (1776/0337/3613)
T'ANG Yung-shih (3282/3057/3290)
LU Yun-hua (7120/5686/5478)
CHIN Shan-wei (6855/0810/3555)
KUNG Yueh-t'ing (7895/1547/0080)

"Studied on Peptides: II. Synthesis of Protected 3-terminal Nonapeptide
of the A-chain of Insulin"

Peiping, Hua-hsueh Hsueh-pao, (Acta Chemica Sinica), Vol 29, No 3,
June 63, pp 190-203

Abstract: English abstract accompanies this article.

References: Twenty-three English, three German, two Swiss, one Czech,
and one Italian, dated 1901-1961; one Chinese, dated 1963, the authors
of which include WANG Yu of this paper.

Authors' Affiliation: All of the Institute of Organic Chemistry,
Chinese Academy of Sciences.

C-O-N-F-I-D-E-N-T-I-A-L

WING Ching-ch'un (0002/2529/5028)
CHU Pao-lin (2612/5508/3829)

"Some Theoretical Problems in Partition Chromatography"

Peiping, Hua-hsueh Hsueh-pao, (Acta Chemica Sinica), Vol 29, No 3,
Jun 63, pp 205-222

Abstract: English abstract accompanies this article.

References: Thirteen English, four Chinese (two by the authors of
this article), and three Russian, dated 1940-1960.

This paper was received for publication on 27 August 1962.

Authors' Affiliation: Both of the Institute of Chemical Physics,
Chinese Academy of Sciences.

KUNG Mei-ling, (7095/5019/5480)

"Application of the Xylenol Orange in Colorimetric Analysis: 1
1. Colorimetric Determination of Small Amounts of Scandium"

Peiping, Hua-hsueh Hsueh-pao (Acta Chimica Sinica), Vol 29, No 3,
Jun 63, pp 223-226

Abstract: English abstract accompanies this article.

This paper was received for publication on 31 May 1962.

Author's Affiliation: Central Laboratory of Geological Enterprise,
Bureau of Metallurgical Industries, Shensi; present address, Institute
of Geology, Sian Northwest Geological Prospecting Company.

C-O-N-F-I-D-E-N-T-I-A-L

TU Heng-sheng (0702/2635/3932)

"Theory of Ferrite Superconductivity"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 2, Feb 63, pp 103-114

Excerpts of Chinese Abstract: This paper analyzes the influence of an "internal magnetic field" on the superconductivity of ferrites and proposes a view that disagrees with those of Vonsovskiy and Svirskiy. It is believed that in the ground state of ferrite superconductivity, electrons are paired, and the BCS theory can be applied to the circumstances of the ferrite, without the difficulties of the BCS theory as proposed by Vonsovskiy and Svirskiy.

This paper was received for publication on 20 April 1962.

Author's Affiliation: Department of Physics, Peking University.

TSOU Chu-lien (6760/3796/6647)

"Research on a Single Spark Discharge Chamber"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 2, Feb 63, pp 116-123

Excerpts of Chinese Abstract: This paper describes the construction, working principles, and characteristics of a spark chamber with eight discharge gaps and internal dimensions of 70 x 50 x 50 centimeters. The chamber was filled with neon at a pressure of 1.4 atmospheres, and efficiency in recording charged particles reached 100 percent.

The author extends thanks to CHANG Wen-yu (1728/2429/5940) and A. A. Tyapkin for their help and direction and to B. M. Antonov for his assistance in the actual work.

This paper was received for publication on 2 July 1962.

C-O-N-F-I-D-E-N-T-I-A-L

SHIH Hsi-te (6200/1585/1795)
SHIH Hsing-pin (6200/5887/3453)
SHIH Chin-hsing (2457/6930/5887)

"A Study of the Temperature Dependence of the Voltage Current Characteristic of Tunnel Diodes"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 2, Feb 63, pp 124-133

Text of English Abstract: The temperature dependence of the tunnel current was studied for the cases of direct and indirect tunneling. The indirect tunneling due to both phonon scattering and the scattering by ionized impurities was considered. A comparison with experimental results from the literature was given.

This paper was received for publication on 6 August 1962.

HUA Chung-i (5478/0022/0001)

"On the Theory of Linearity of the Hot-Cathode Ionization Gauge"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 2, Feb 63, pp 73-81

Abstract: English abstract accompanies this article.

References: Of 14 references dated 1916 to 1961, 8 are in English, 3 in German, and 2 in Russian, and one is a Chinese translation of a Russian textbook.

This paper was received for publication on 31 January 1962; a corrected draft was received on 30 April 1962.

C-O-N-F-I-D-E-N-T-I-A-L

UA Chung-i (5478/0022/0001)
JANG Hsin-yuan (7806/1800/3293)
CHANG Chuang-chien (4545/5445/0256)

"Ultrahigh Vacuum Ionization Gauges With Directly Heated Electrodes"
Pei
Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 2, Feb 63,
pp 83-89

Abstract: English abstract accompanies this article.

References: Of 21 references dated 1926-1961, 17 are in English, 3 in Chinese, and one in Russian.

This paper was received for publication on 31 January 1962; a corrected draft was received on 7 May 1962.

LI Chih-yen (2621/1807/1484)
HUANG Mu-hsien (7806/1970/6343)
P'AN Chen-ming (3382/7201/2494)

"Theory of the Klumb-Schwarz Type Radiometer Gauge"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No, Feb 63,
pp 90-97

Abstract: English abstract accompanies this article.

The authors extend thanks to their colleagues in the Vacuum Laboratory of Fudan University for their assistance.

References: Of the 6 references, 4 are dated prior to 1940.

This paper which is one part of the authors' graduation thesis, was received for publication on 31 January 1962. A corrected draft was received on 21 April 1962.

C-O-N-F-I-D-E-N-T-I-A-L

HAN Wen-shu (7281/2429/6615)
SHAO Yao-liang (6730/5069/5328)
JUAN Ying-ch'ao (7086/5391/6389)

"On a Method of Calculation of Nonaxial Rotational Wave Functions and Energy Levels of Odd-A Nuclei"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 2, Feb 63, pp 99-102

Abstract: English abstract accompanies this article.

The authors extend thanks to Prof WU Shih-shu (0702/1709/2873) for his help and to WANG Yen-sheng (3769/3601/3932), SHIH An-tun (2457/1344/7319), PU Chao-hua (0592/2507/5478), CH'EN Kuang-wen (7115/1684/2429), and CHOU K'un (0719/1507) for their suggestions.

This paper, which is a part of a graduate thesis presented in the theoretical physics specialty at Kirin University in 1961, was received for publication on 29 March 1962.

WU Ta-yung (0702/1129/0516)
CHANG Yung-tzu (1728/0737/4793)
MO Tang (5459/7825)

"On the Contamination of Silicos by the Fused Silica Crucible"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 2, Feb 63, pp 134-137

Abstract: Not given.

This paper was received for publication on 23 July 1962.

Authors' Affiliation: Department of Physics, Peking University.

C-O-N-F-I-D-E-N-T-I-A-L

YANG Ch'i (2799/2790)

"The Quantum Theory of Ferromagnetic Resonance -- Condition of Resonance in Isotropic Ferrite"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 3, Mar 63, pp 139-150

Translation of Chinese Abstract: In this paper, the dual-time functions are used to study the problems of ferromagnetic resonance in isotropic ferrite having two magnetic sub-lattices. In the first approximation, the formula obtained for magnetic susceptibility, and the conditions of resonance are similar to those obtained through classical theory. This theory is applicable over a wide-temperature range, and it naturally produces the resonance transition probability for the spin system (it forms a ratio with the strength of the resonance curve). Finally, the paper discusses the range of applicability of the theory, the relationship of the experimental results, and the corrections which should be made near the compensation point.

This paper was received for publication on 17 April 1961.

C-O-N-F-I-D-E-N-T-I-A-L

WANG Shou-wu (3769/1343/2976)

"The Measurement of the Lifetime of Minority Current Carriers in Semiconductors by Observing the Photo-Conductive Decay of the Spreading Resistance Under a Point Contact"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 3, Mar 63
pp 176-190

Text of English Abstract: A new method for measuring the lifetime of minority current carriers in semiconductors is described. Measurements are made by observing the photoconductive decay of the spreading resistance under a point contact. This method possesses the following advantages: (1) It is not necessary to cut the specimen into special form. (2) No fixed electrode has to be made to the specimen. (3) It is applicable to test inhomogeneous specimen. (4) No particular surface treatment is necessary. (5) Apparatus used is simple and easy to operate. (6) Enough accuracy is obtainable. A theoretical analysis is given of the effects of surface recombination velocity and of varying absorption depth of the light in specimen. Experimental details and discussions are given for Ge and Si specimens. Results are in agreement with those obtained by other methods.

(continued)

The author expresses thanks to CHUANG Wei-hua (5445/5588/5478), P'AN Kuei-sheng (3382/6311/3932), CH'EN Tzu-lo (7115/1311/2867), and CHOU Ju-sheng (0719/3067/3932) for their participation in the experiments; LIU Tung-yuan (0418/2639/3293) and JUNG Chi-shu (1721/4949/2579) for assistance in mathematical computations.

This paper, which had been read at the First Annual Meeting of the Chinese Electronics Society, was received for publication on 18 June 1962.

C-O-N-F-I-D-E-N-T-I-A-L

CHUANG Wei-hua (5445/5588/5478)
P'AN Kuei-sheng (3382/6311/3932)

"Measurement of Minority Carrier Lifetime in Ge and Si by the Spreading Resistance Photo-Decay Method"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 3, Mar 63, pp 191-201

Text of English Abstract: The photo-conductive decay of the spreading resistance of Ge and Si is investigated. The influence of the surface recombination velocity and the depth of absorption of the exciting lights on the shape of the decay curve are studied in detail. The decay curves obtained are consistent with those predicted by the theory. The conditions required for accurate measurement of bulk lifetime are also discussed.

The authors express thanks to WANG Shou--wu (3769/1343/2976), under whose guidance this paper was prepared; CHOU Ju-sheng (0719/3067/3932) for his assistance.

This paper was received for publication on 17 September 1962.

SUN Kuang-jung (1327/1684/2837)
WEI Jung-chueh (7614/2837/3635)

"Preliminary Studies of Perforated "Sugar-Cane Fiberboard" Sound Absorbers"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 3, Mar 63, pp 151-159

Abstract: English abstract accompanies this article,

This paper was received for publication on 8 December 1961.

Authors' Affiliation: Both of Department of Physics, Nanking University.

C-O-N-F-I-D-E-N-T-I-A-L

MIN Nai-pen (7036/0035/2609)
FAN Ch'ung-i (5400/1504/4400)
LI Ch'i (2621/7871)
HSU Yu-shang (1776/2589/1424)
FENG Tuan (7458/4551)

"Production of Molybdenum Single Crystals With Electron-Beam Floating Zone Melt"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 3, Mar 63, pp 160-164

Abstract: English abstract accompanies this article.

The authors express thanks to FAN Te-p'ei (5400/1795/1014) for participation in the work; SHOU Ta-chen (1108/1129/2823) of Nanking University Factory for Teaching Aids for valuable opinions; and YANG Yung-shun (2799/3057/7311) for research work.

This paper was received for publication on 20 January 1962.

Authors' Affiliation: All of Department of Physics, Nanking University.

FENG Tuan (7458/4551)
MIN Nai-pen (5400/1504/4400)
LI Ch'i (2621/7871)
LIN T'ien-nan (2651/1131/0589)

"Experimental Evidence for the Existence of Dislocations With Burgers Vector [100] in Molybdenum Crystals"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 3, Mar 63, pp 165-168

Abstract: English abstract accompanies this article.

This paper was received for publication on 13 August 1962.

Authors' Affiliation: All of Department of Physics, Nanking University.

C-O-N-F-I-D-E-N-T-I-A-L

JEN Lang (0117/2597)

"Radiation From a Linear Monopole Antenna at the Tip of a Metallic Prolate Spheroid"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 3, Mar 63, pp 169-175

Abstract: English abstract accompanies this article.

This paper was received for publication on 19 March 1962.

Author's Affiliation: T'ung-shan Railway College.

TS'ENG Hsun-i (2582/6064/0001)

"An Interpretation of X-Ray Diffraction Photograph of Polycrystals of Reciprocal Lattice"

Peiping, Wu-li Hsueh-pao (Acta Physica Sinica), Vol 19, No 3, Mar 63, pp 202-204

Abstract: Not given.

This paper was received for publication on 31 August 1961.

Author's Affiliation: Institute of Metallurgy, Chinese Academy of Sciences.

ORGANIZATIONS AND CONFERENCES

1. Conference on Chromatography

The Chinese Academy of Sciences recently held a conference in Dairen on hydrogen flame ionization determination apparatus and capillary chromatography techniques. They decided that the state of capabilities in experimental fabrication had reached a relatively high level and proposed that concerned departments organize small quantity experimental production to satisfy the pressing needs of production and scientific research. A total of 18 reports were presented to the conference, and participants represented research organizations of the Chinese Academy of Sciences, research units of concerned ministries of the central government, higher level schools, and instrument-making and other production departments. The hydrogen flame ionization determination apparatus and the capillary chromatographic instrument built by the Institute of Chemical Physics are constructed exclusively of Chinese materials and are very stable, with drift of about 10-13 an [amperes?] per hour. They are also very sensitive and can detect concentrations of organic substances of only several parts per 100 million. In analyzing gasoline, the chromatographs for about 100 compounds can be separated in 1.5 hours; and in analyzing kerosene, 152 chromatographic peaks can be separated. The capillary chromatographic column was drawn by

(continued)

a machine designed by the institute and which can produce an internal diameter of 0.05 mm. The tube can be drawn uniformly to a length of 200 meters or more. The Research Academy of Pharmaceuticals, Ministry of Chemical Industry, designed and constructed a high-temperature chromatography instrument, employing an ionization determination apparatus connected to a standard copper chromatographic box, and it can be used at temperatures of 250° C. (Peiping, Kuang-ming Jih-pao, 14 Oct 63, p 2)

2. Conference at Chungking Civil Engineering and Architecture College

In celebration of its tenth anniversary, the Chungking Civil Engineering and Architecture College has held its fourth scientific reports conference. Most of the papers read at the conference concerned problems of housing construction in the local areas, and some of them had been read previously at the Szechwan Provincial Conference on Planning and Construction in Mountain Towns. (Peiping, Chien-chu Hsueh-pao [Journal of Architecture], No 1, Jan 63, p 31)

3. Annual Meeting of Traditional Medical Society

The annual meeting of the Chinese Traditional Medical Society of Szechwan Province was held in Tsinan on 17-24 December 1962. More than 180 delegates, including 120 official delegates, from all over the province attended. Fifty of the 230 medical papers received were read either during plenary sessions or in group meetings. (Peiping, Chung-hua T'ung-pao [Chinese Traditional Medical Journal], No 2, Feb 63, p 11) (CONFIDENTIAL)

4. Clinical Radiation Conference

In the past year, comprehensive use of new technology in radiation therapy and X-ray diagnostic techniques has achieved marked results in diagnosing tumors and other critical and dangerous diseases in humans. Recently, in Shanghai, the first nationwide scientific conference on clinical radiation was held. A total of 432 papers were received at the conference.

This conference on clinical radiation was convened by the Chinese Medical Association. More than 70 noted representatives came from 28 hsien, municipalities, and autonomous regions throughout the country. (Peiping, Kuang-ming Jih-pao, 25 Sep 63, p 1)

5. Tuberculosis Conference

On 20 February 1963, the Peiping Municipal Tuberculosis Society held a discussion conference on the methods of classification of tuberculosis. A total of 25 persons took part in the discussion. Prof CH'IU Tsu-yuan (5941/4371/3293) spoke on the general condition of the classification methods in various countries. (Peiping, Chung-kuo Fang-lao Tsa'c'ih [Chinese Journal of Tuberculosis Prevention], Vol 4, No 1, 30 Apr 63, p 65) (CONFIDENTIAL)

C-O-N-F-I-D-E-N-T-I-A-L

MANPOWER AND EDUCATION

1. New Meteorology School

In compliance with the instructions from the higher authorities, the Meteorology College of the Nanking University was renamed the Nanking College of Meteorology (Nan-ching Ch'-hsiang Hsueh-yuan, 0589/0079/3049/6273/1331/7108) on 18 August 1963. (Peiping, Jen-min Jih-pao, 18 Aug 63, p 6)

2. First Graduating Class at Fukien College of Traditional Medicine

In the summer of 1963, the first class of 35 students in the medicine specialty at Fukien College of Traditional Chinese Medicine were graduated and assigned to working positions. Since 1958, when it commenced operations, this college has also trained 428 persons in short advanced courses for traditional doctors and Chinese traditional medicine for doctors of Western medicine. At present, there are more than 500 students engaged in studies at this college. (Canton, Chung-kuo Hsin-wen, 22 Sep 63, p 8)

3. Overseas Chinese University

On 11 September 1963, Overseas Chinese University held a ceremony celebrating the opening of the new school year. It was attended by more than 2,000 teachers and students.

This university, established especially for overseas Chinese students, accepted 500 new overseas Chinese students this year. The majority came from the Chi-mei (7162/5019), Peiping, Canton, Swatow, Nanning, and Kunming supplementary middle schools for overseas Chinese students. Others came from overseas Chinese middle schools both within and without [Fukien] Province. (Peiping, Chung-kuo Hsin-wen, 13 Sep 63, p 8)

4. Overseas Chinese University

This summer, [1963], many teachers withdrew from the education departments at Peking University, Peking Normal University, Heilungkiang University, Shanghai Chiaotung University, Fudan University, Nankai University, and Northwest Industrial University to teach at Overseas Chinese University. At present, Overseas Chinese University has over 300 professors, lecturers, and assistant professors

The government will also send graduate students and students of foreign languages who are about to graduate to teach at Overseas Chinese University. (Peiping, Chung-kuo Hsin-wen, 8 Sep 63, p 5)

5. Progress in Minorities Education

In the summer of 1963, more than 7,000 students belonging to over 30 minority nationalities were graduated from higher-level schools in various ethnic minority areas. This group included more than 2,000 students in the engineering sciences, 800 students in agriculture and forestry, 590 students in the theoretical sciences, and several students in other sciences. In the Sinkiang-Uighur Autonomous Region there are 6,400 students attending 7 higher level schools, including engineering, agricultural, medical, and teachers colleges. (Canton, Chung-kuo Hsin-wen, 26 Sep 63, p 7

NEW PUBLICATIONS AND BOOK REVIEWS

1. Chinese Academy of Sciences Publications

The following new Chinese monographs are scheduled for publication by the Science Press, Peiping:

Chung-kuo K'o-hsueh-yuan Ying-yung Hua-hsueh Yen-chiu-so Chi-k'an. Ti-chiu Chi (Collected Works of the Institute of Applied Chemistry, Chinese Academy of Sciences, No 9);

Chung-kuo K'o-hsueh-yuan Kuang-hsueh Ching-mi Chi-hsieh Yen-chiu-so: Chi-hsieh Chih-tsao Lun-wen Hui-pien (Institute of Optical and Precision Instruments, Chinese Academy of Sciences: Collected Essays on Instrument Manufacture, No 1);

Chung-kuo K'ohsueh-yuan Wei-liang Yuan-su Yen-chiu Kung-tso Hui-i Hui-k'an (Compilation of Work Conferences on Research on Trace Elements of the Chinese Academy of Sciences); and

Ts'e-hui-hsueh Ming-t'zu (Ying-han) (Geodetic and Cartographic Terminology [English-Chinese]). (Peiping, Jen-min Jih-pao, 22 Aug 63, p 6)

2. New Meteorological Publications

The following new books on meteorology are being published by the Ko-hsueh Ch'u-pan-she (Science Press), Peiping:

Yun-mu Chiang-shui Wei-wu-li Te-i-hsieh Li-lun Wen-ti (Some Theoretical Problems on Cloud, Fog, and Rainfall Micrology) by Ku Ch'en-ch'ao (7357/7201/3390)

Tung-ya Chi-feng Te-jo-kan Wen-ti (A Few Problems of Monsoon in East Asia), by Kao Yu-hsi (7559/3945/4406) (Peiping, Ti-ch'iu Wu-li Hsueh Pao [Acta Geophysica Sinica], Vol 12, No 1, Jun 63, p 122)

3. New Book on China's Climate

Chung-kuo Ch'i-hou, (The Climate of China), by CH'I P' (2612/3521/3189), has been published by the Ko-shueh Chu-pan-she (Science Press), Peiping. (Peiping, Ti-li [Geography], No 1, 1963, p 43)

4. Scientific Publications

During August 1963, the Science Press in Peiping published 21 new scientific publications and 9 reprints. Noteworthy among the new publications are the following: Kao-wei Te Shu-chih Chi-fen (High Dimension Numerical Integration), by HSU Li-chih (1776/0448/3112); Shih-yen Te Fen-hsi yu Shih-chi (Experimental Analysis and Planning), by H.B. Man (2581) and translated by CHANG Li-ch'ien (1728/6849/0578) and others; Yun-tung Chi-shu (Telemechanics Engineering), edited by WANG Ch'uan-shan (3769/0278/0310) and others; and Hai-yang K'o-hsueh Chi-k'an (Oceanography Collection), edited by the Institute of Oceanography, Chinese Academy of Sciences.

Noteworthy among the reprints are: Tien-tzu Shu-tzu Chi-suan-chi Yuan-li (Principles of Electronic-digital Computers), edited by YAP Lin (1202/2651) and others; and Chien-ming Shih-wei Tui-shu Piao (Simplified 10-place Logarithm Table), edited by WANG Chu-ch'i (3769/4554/3305). (Peiping, Jen-min Jih-pao, 21 Sep 63, p 6)

5. Agricultural Publications

A list of agricultural publications for the fourth quarter of 1963, published by the Agricultural Publishing House in Peiping, includes: Chung-kuo Nung-pao (Chinese Agricultural Journal), monthly; Chung-kuo Lin-yeh (Chinese Forestry), monthly; Chung-kuo Nung-yeh K'o-hsueh (Chinese Agricultural Science), monthly; Nung-yeh Chi-shu (Agricultural Techniques), monthly; Chung-kuo Hs'u-mu Tsa-chih (Chinese Journal of Animal Husbandry), monthly; Chung-kuo Shou-i Tsa-chih (Chinese Journal of Veterinary Science), monthly; Chih-wu Pao-hu (Plant Protection), bimonthly; Chung-kuo Yang-feng (Chinese Apiculture), bimonthly; Tso-wu Hsuehpao *Journal of Crops, quarterly; Yuan-i Hsueh-pao (Horticultural Journal), quarterly; and Chih-wu Pao-hu Hsueh-pao (Journal of Plant Protection), quarterly. (Peiping, Jen-min Jih-pao, 19 Aug 63, p 4)

6. Chinese Translations of Russian Books on Automation, Electronics

Among the new books published recently by the Shanghai Scientific and Technical Publishing House are Chinese translations of 12 Russian books on automation, one on electronics, and 2 on atomic theory. Others include Chinese books, many of which are on medicine, and the second editor of Ch'iao-liang Che-chi Sou-ts'e (Handbook on Bridge Design), compiled by the Bridge Engineering Bureau of the Ministry of Railways. (Peiping, Jen-min Jih-pao, 8 Aug 63, p 5)

C-O-N-F-I-D-E-N-T-I-A-L

FOREIGN TRAVELS AND CONTACTS

1. Foreign Scientists Arrive in Peiping

On 24 September, 11 scientists from Japan, Ghana, Guinea, Mexico, Mongolia, Pakistan, and Somali arrived in Peiping at the invitation of the Chinese Scientific and Technical Association and the Peiping Center for the World Federation of Scientific Workers to participate in the preparatory conference for the 1964 Scientific Symposium. They were welcomed at the airport by a group of Chinese scientists, and some were greeted by their countries' ambassadors to China as well. Professor Christiansen, an Australian radioastronomer, arrived in Peiping on 22 September. (Peiping, Kuang-ming Jih-pao, 25 Sep 63, p 1)

2. Indonesian Scientist Arrives in Peiping

On 29 September, Chairman of the Indonesian Association of Scientists Sokirno and his wife arrived in Peiping by plane for a visit, at the invitation of the Chinese Scientific and Technical Association. (Peiping, Jen-min Jih-pao, 30 Sep 63, p 3)

FOREIGN TRAVELS AND CONTACTS

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3. Kenya Scientist Arrives Peiping

On the afternoon of 29 September 1963, Dr Atingo, scientist from Kenya and head of the East Africa Academy of Sciences, arrived in Peiping at the invitation of the Scientific and Technical Association of China and the Peking center of the World Federation of Scientific Workers to participate in the preparatory conference of the 1964 scientific symposium. At the airport to greet him were HOU Te-pang (0230/1795/2830), vice-president of the Scientific and Technical Association of China, and LIU Ssu-mu (0491/1835/1970), deputy director of the Institute of International Relations. (Peiping, Jen-min Jih-pao, 29 Sep 63, p 3)

4. Swedish Physicist

At a banquet on 29 September 1963, President of the Chinese Academy of Sciences, KUO Mo-jo (6753/3106/5387), and his wife, welcomed Swedish Professor Alfven, director of the Institute of Isotope-physics, Royal Academy of Engineering Science in Stockholm, and his wife. Present at the banquet were WJ Yu-hsun (0702/2589/6064), vicepresident, Chinese Academy of Sciences; TU Jun-sheng (2629/3397/3932), secretary-general, Chinese Academy of Sciences; and DU Chen-ch'ao (7357/7201/3390) and CHAO Chiu-chang (6392/0046/4545), specialists in geophysics. (Peiping, Jen-min Jih-pao, 29 Sep 63, p 3)

WU Chang-yin (0702/1728/6892)

Coauthors of article, "A Discussion on the Protection of Cotton-Seedling in the Reh Land of Hsu and Hui Cotton-Growing Areas in Kiangsu Province." The authors acknowledge that CHANG Hung-yuan (1728/3163/3293) of the Institute of Agricultural Science, Suchow Special District, and HO Shui-fu (0149/3055/6866) of Suining Hsien Agricultural Bureau engaged in experimentation and investigation work in 1961. (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 3, 1963, pp 25-28)

CHAO Sung-ch'iao (6392/2646/0829); author of an article entitled, "Examinations and Discussion of Moist Sand Layer in Sand Dunes of the Desert Areas From Survey Data Obtained by Several Assigned Stations in the Desert." (Peiping, Ti-li [Geography], No 1, 1963, pp 5-11)

CHAO Tseng-jung (6392/1073/2837); author of article, "The Establishment of Extensive Fodder-Producing Bases Through Rotation of Crops." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 3, 1963, pp 420-46)

CH'EN K'o-tseng (7115/0344/1073)

LU Shu-ying (0712/2579/4964)

SHEN Chih-hao (3476/1807/6275)

KO Shih-on (5514/0013/1344)

Coauthors of article, "A Discussion on Overwintering Problems of Aquatic Green Manure Crop 'Manchianghung.'" (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 4, 1963, pp 22-25)

CH'EN Yu-min (7115/3768/3056); author of article, "Preliminary Studies on Pre-irrigation and the Salt-Cumulation Characters of Cotton-Field Soil in Districts of Easy-Alkalined Soils." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 4, 1963, pp 40-44)

CH'EN Yu-p'ing (715/4416/1627)

LIAO Szu-chang (1675/1835/2874)

C-O-N-F-I-D-E-N-T-I-A-L

WANG Chun-chieh (3769/0193/0267)

Coauthors of article, "Application of Phosphate Fertilizer in Leguminaceous Green Manure and Leguminaceous Crops for Enriching Nitrogen Content in the Soils and Its Effects on Agricultural Production." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 2, 1963, pp 9,13)

CH'En Yun-piao (7115/6663/2871)

WANG Tsu-sung (3769/4371/2646)

CHU Chen-sheng (2612/2182/0524)

All of the Tuberculosis Department, Hai-k'ou Ning-k'en (3189/0656/6593/1083); coauthors of article, "Observations on the Efficacy of the Combined Use of Short-Term Pneumoperitonéum and Anti tuberculosis Drugs in the Treatment of 120 Cases of Pulmonary Tuberculosis," which was received for publication on 4 December 1962. (Peiping, Chung-kuo Fang-lao Tsa-chih [Chinese Journal of Tuberculosis Prevention], Vol 4, No 1, 30 Apr 63, pp 32-33) (CONFIDENTIAL)

CH'ENG Chin-hsien (4453/6930/6343); author of article, "The Significance of Raising Seedlings With Cuttings of Sweet Potato for the Expansion of Good Varieties and the Control of Its Degeneration." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 3, 1963, pp 51-52)

CH'ENG Ch'ing-i (4453/7234/3015)

WEI Hai-ch'iu (7614/3189/4426)

Authors of an article, "Chick Poison in 666." (Peiping, Chung-kuo Ch'iu-mu Shou-i, No 3, Mar 63, pp 22-23) (CONFIDENTIAL)

CHENG Te-ch'ing (6774/1795/1987)

CHANG P'u-sheng (1728/2528/3932)

Coauthors of article, "The Correlation Between the Stalk Number, Diameter, Height, and the Yield in Sugar Cane." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 2, 1963, pp 50-51)

C-O-N-F-I-D-E-N-T-I-A-L

CH' IEN Hsu-t'ung (6929/2485/0681); author of article, "Investigations on the Improvement of the Structure of Glass House for Growing Vegetables." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 2, 1963, pp 36-44)

CHU Hung-fu (2612/1738/1788); author of article, "Theoretical and Practical Studies on the Comprehensive Control of Insects." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 3, 1963, pp 29-31)

HO Ch'ing-hao (0735/3237/5548)

WANG Shao-meng (2455-4801/1322)

Both in Osteology, Feng-feng Bureau of Mines General Hospital; coauthors of a short article entitled "How Colles' Fractures Are Sustained During Coal Mining Operations and How To Prevent Them." (Peiping, Chung-hua Wai-k'o Tsa-chih, [Chinese Journal of Surgery], Vol 11, No 5, May 63, p 412)

HO Ahan yuan (0149/0810/6678); author of an article, "Earnestly Consolidate the Experiences of Material Investigation, Elevate the Standard of Technology, and Struggle for Better and New Successes." (Peiping, Chung-kuo Ti-chih [Chinese Geology] Vol 4, 1963, pp 11-18) (CONFIDENTIAL)

HSIAO Tse-hung (5135/3419/1347); author of article, "Preliminary Analysis of the Cultivation System of Green Manure Crop in Paddy Fields in Hunan Province." (Peiping, Chung-huo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 3, 1963, pp 8-12)

HSIEH Hua (6200/5478), Nan-tan Animal Farm, Hopeh Province; author of an article, "Research on the Production Properties of the Hopeh Wu-an Goat." (Peiping, Chung-kuo Ch'u-mu Shou-i, No 3, Mar 63, pp 9-10) (CONFIDENTIAL)

HSU T'ing-wen (1776/1694/2429); author of article, "Preliminary Investigations on the Differentiation Stage of the Ear Rudiment of Naked Barley and Its Nutrient Conditions." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 2, 1963, pp 48-50)

HSIA Chieh-liu (1823/0094/0362); author of article, "Recent Advances in Insect Pathology." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 2, 1963, pp 14-19)

C-O-N-F-I-D-E-N-T-I-A-L

HUA Hsing-nai (5478/5281/7845)
CHOU Hsing (0719/5887)
HUANG Chur-ch'i (7806/7486/7784)
CHU Shao-lin (2612/4801/3829)
YU Ahu-chuan (0205/3219/1227)
CHANG Lien-sheng (1728/6647/3932)
LIU Hsing-min (0491/5281/3046)

Coauthors of article, "Studies on the Utilization of Hybrid Vigour in *Gossypium Barbadense* and *Gossypium Hirsutum*." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 2, 1963, pp 1-8)

HUANG Hsien-ch'en (7806/7359/5256); author of article, "Experiments on the Action of Concentrate DDT." The author expresses thanks to WANG Chun-k'uei (3769/0689/1145) and CHUANG Wu-chi (5445/3541/1803), both of Institute of Plant Protection, Chinese Academy of Agricultural Sciences; TS'AO Pen-chun (2580/2609/6874), Peking Agricultural University; LEI Hui-chih (7191/1920/6347) and T'AN Yin-ch'u (6223/5593/0443), both of Human Provincial Agricultural Research Institute; LIU Pin-t'ao (0491/3453/3447), Human Insecticide Plant; CHANG Shu-i (1728/2752/0398), Shansi Yun-ch'eng Institute of Cotton; LIU Pao-shan (0491/1405/0810) and LI Shu-ts'ai (2621/2885/2088), both of Shansi Ch'ang-chih Institute of Miscellaneous Grains; and CHANG Ling-yun (1728/7325/5089) and P'ANG Shu-ch'un (6614/2885/2504), both of Institute of Pomology, Chinese Academy of Agricultural Sciences, for participating in the work. (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 4, 1963, pp 51-54)

JEN Ts'ifang (017/1129/2455)

WANG Chao-hain (3769/6096/9515)

Coauthors of article, "The Occurrence and Control of *Ceratocystis Paradoxa* (de Seynes) Moreau in Sugar Cane in Hainan Island." The authors express thanks to Prof FAN Huai chung (5400/2037/1813) and to engineers TENG Chung-tao (6772/6850/3614), KUAN Ch'ih-po (7070/6375/3134), and WU Ch'eng-fang (0124/2110/5364) for their valuable opinions. (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 4, 1963, pp 48-51)

C-O-N-F-I-D-E-N-T-I-A-L-

KAO Chen-hua (7559/2182/5478)

HSU Fu-ch'eng (1776/1381/6134)

HANG Yu-ts'an (2635/3768/0639)

SHEN Te-ch'eng (3947/1795/2052)

All of Institute for Treatment and Cure of Tuberculosis, Hui-min Special District, Shantung Province; coauthors of article, "Report on Surgery and First Aid for four Severe Cases of Tuberculosis Complicated by Great Pulmonary Hemorrhaging," which was received for publication on 20 November 1962. (Peiping, Chung-kuo Fang-lao Tsa-chih [Chinese Journal Tuberculosis Prevention], Vol 4 No 1, 30 Apr 63, pp 34-35) (COFIDENTIAL)

KUNG Pang-to (7895/6721/6995)

WU Lieh-ming (0702/3525/2494)

Coauthors of article, "The Correlation Between Dry Material Accumulation Distribution and the Grain-Multiplying, Grain-Weighing in Wheat." The authors express thanks to LI Liang, Hopeh Provincial Academy of Agricultural Sciences, for his leadership in the research and to CHI Chu (0370/4376), TU Shui-chu (2629/3055/2691), and LI Yun-ch'eng (2621/7189/2052) for participating in the research. (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 4, 1963, pp 26-31)

LAI Chin-hua (6351/6855/5478); author of article, "Brief Report on the Effect of the Application of Phosphate Fertilizer in Rice Nursery." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 2, 1963, pp 45-47)

ISI Hsien-ch'i (6351/0341/7871); author of article, "Preliminary Studies on the Habit of Main and Lateral Inflorescences in Soybean." The author expresses thanks to HSIAO Chien-huo (5135/1696/0948), HU Ch'ang-ch'uan (5170/2490/1557), KUO Ch'ao-hui (6753/2600/3549), HSIEH Lien-mei (6200/5571/5019), CH'EN Wei-hsiang (7115/3634/4382), and WANG Yang-ming (3769/7402/2494) for participating in the work. (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 3, 1963, pp 47-49)

C-O-N-F-I-D-E-N-T-I-A-L

LEI P'ei-jen (7191/1014/0038)

LI Hung-min (2621/7703/3046)

Báth in Brain Surgery, First Hospital of Sian Medical College; coauthors of article "Report of a Case of Tracheo-Adenoloma Near the Région of Process." (Peiping, Chung-hua Wai-k'o Tsa-chih [Chinese Journal of Surgery Vol 11, No 5, May 63, p 374)

LEI YUNG (7191/3196), biology Department, Kiangsi Normal College' author of an article, "Investigation of the Infection Rate of Coccidiosis in Various Breeds of Rabbits and of Comparisons Between Several Kinds of Therapeutic Methods." (Peiping, Chung-kuo Ch'u-mu Shou-i, No 3, Mar 63, pp 6-8)
(CONFIDENTIAL)

LI Cheng-feng (2621/2973/7364)

LIU Ch'un-hsi (0491/2504/0823)

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Coauthors of article, "Problems on Irrigation for Winter Wheat in Districts of Easy-Salinized Soils." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 2, 1963, pp 20-25)

LI Chia-wen (2621/1367/2429)

WU Shu-yun (0702/3219/5366)

LI Hui-fen (2621/1920/5358)

CHOU Kuang-hua (0719/0342/5478)

HAIING Yu-shien (6717/4416/6343)

Coauthors of article, "The Effect on Raising Output and Reproductive Rate by Adopting the Reproductive Method With Garlic Aerial Bulb." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 4, 1963, pp 11-13)

C-O-N-F-I-D-E-N-T-I-A-L

LI Lai-jung (2621/0171/2837)

WU Te-pin (0702/1795/2430)

HUNG Ju-shui (3163/1172/3055)

Coauthors of article, "Utilization and Reclamation of Garden Soil in fukien Province." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Sciences], No 3, 1963, pp 1-7)

LI Pao-shu (2621/1405/2885)

Author of article, "A Preliminary Investigation on the Folwering, Fruit Bearing, and Hybridization Technique of Irish Potato." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 3, 1963, pp 49-51)

LI Szu-kuang (2621/0934/0342); author of an article entitled "Problems of the Glacial and Interglacial Periods in North China Areas." (Peiping, Chung-kuo Ti-chih [Chinese Geology], Vol 4, 1963, pp 1-7) (CONFIDENTIAL)

LIN T'ing-pao (2651/5121/1405) Laboratory, Chinese People's Liberation Army Hospital No 214; author of article, "Preliminary Studies on the Transformation of One Strain of Tuberculosis Bacillus Which Is Dependent on Streptomycin and Its Pathogenicity (Excerpts)." (Peiping, Chung-kuo Fang-lao Tsa-chih [Chinese Journal of Tuberculosis Prevention], Vol 4, No 1, 30 Apr 63, p 31) (CONFIDENTIAL)

LIU K'un (0491/6924), Second Hospital of the Fourth Military Medical Jniversity; author of a brief case report entitled "Report of a Case of Esophagostenosis Due to a Ring of Cartilage." (Peiping, Chung-hua Wai-k'o Tsa-chih [Chinese Journal of Surgery], No 5, May 63, p 369)

LIN Ping-kang (0491/4426/0474), Tientsin Municipal Second Workers Sanitorium; author of aritcle, "Clinical Examination of 150 Cases of Cavitation Tuberculosis After They Have Become Drug Resistant," which was received for publication on 1 September 1963. (Peiping, Chung-kuo Fang-lao Tsa-chih [Chinese Journal of Tuberculosis Prevention], Vol 4, No.1, 30 Apr 63, pp 24-27) (CONFIDENTIAL)

C-O-N-F-I-D-E-N-T-I-A-L

LIU Tse-ch'un (0491/3419/4783); author of an article "Details And Classification of Snow-Lines and Firn." (Peiping, Ti-li [Geography], No 1, 1963, pp 24-27)

MA Chien-yu (7456/1696/3731); author of article, "On the Suitable Time for Second Transplantation of Rice and Its Adoption." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 4, 1963, pp 14-17)

NIEH Heng-ts'ui (5110/1854/5488)

Author of article, "Studies on the Plant training and Fertilization in the Light of Flowering and Podding in Broad Bean." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 3, 1963, pp 19-24)

NING Shou-ming (1380/1343/6056 -0682)

Author of article, "The Process of the Technique Coordination Conference of Rice in the District of Po-hai in Hopeh Province and Its Effects." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 2, 1963, pp 52-54)

OUYANG Ch'ien (2962/7122/0051)

CH'I An-sheng (3344/1344/3932)

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CH'IANG I-ch'ih (1430/6654/0037)

Both in Surgery, First Central Hospital of Tientsin Medical College. The above four are coauthors of an article, "Repair of Properitoneal Hernias (With Report on 38 Cases)." (Peiping, Chung-hua Wai-k'o Tsa-chih [Chinese Journal of Surgery], Vol 11, No 5, May 63, pp 389-390)

SHEI Yu-sheng (2514/3768/5116), Peking Agricultural University; author of an article, "Several Types of Blood Examinations Usually Made in Veterinary Clinics," a continuation. (Peiping, Chung-kuo Ch'u-mu Shou-i, No 3, Mar 63, pp 29-31). (CONFIDENTIAL)

C-O-N-F-I-D-E-N-T-I-A-L

SU Cho (5685/8743)

Tientsin Municipal Tuberculosis Hospital; author of article, "Clinical Significance of Air Velocity Index *Excerpts)." (Peiping, Chung-kuo Fang-lao Tsa-chih [Chinese Journal of Tuberculosis Prevention], Vol 4, No 1, 30 Apr 63, p 11) (CONFIDENTIAL)

SUN Pao-lin (1327/1405/2651)

LIN Hsueh-shih (2651/1331/0099)

Coauthors of an experiment entitled "Biological Experiments With the Test Production of a Pressure Transmitter." (Peiping, Sheng-li K'o-hsueh Chin-chan [Progress in Physiological Sciences], Vol 5, No 1, Mar 63, pp 137-140) (CONFIDENTIAL)

T'AN Hsin-kung (6223/2450/0180)

Wang Yung-ch'ing (3769/3057/1987)

Both of Kwangtung Provincial People's Hospital of Internal Medicine; authors of article, "Using the Adrenocorticotrophic Hormones and Sterine Hormone Process in Complications in Infections," which was received for publication on 9 May 1962. (Peiping, Chung-kuo Fang-lao Tsa-chih [Chinese Journal of Tuberculosis Prevention], Vol 4, No 1, 30 Apr 63, pp 46-48)(CONFIDENTIAL)

TENG Shih-lin (6772/7108/3829)

SUNG Wen-yun (1357/2429/6663)

CH'EN T'ien-i (7114/1131/4158-2496)

WAN T-jen (5502/1795/0088)

CHIN Shu-yuan (6855/3219/1254)

All of the Tientsin Municipal Second Workers Sanitorium; coauthors of article, "The Effect of Long-Term Isonicotinic Acid Hydrazine Therapy on the Liver", which was received for publication on 20 August 1962. (Peiping, Chung-kuo Fang-lao Tsa-chih [Chinese Journal of Tuberculosis Prevention], Vol 4, No 1, 30 Apr 63, pp 21-23) (CONFIDENTIAL)

C-O-N-F-I-D-E-N-T-I-A-L

TSOU Wan-jung (6760/5502/2837), August 1st Agricultural College; author of an article, "Surgical Therapy for Dislocated Lens of the Eye of the Horse." (Peiping, Chung-kuo Ch'u-mu Shou-i, No 3, Mar 63, pp 20) (CONFIDENTIAL)

TS'UI Pu-ch'ing (1508/2975/7230); author of article, "Preliminary Study on the Crossbreeding of Horses." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 4, 1963, pp 1-7)

T'U Yu-ch'in (1458/627(2953)

WEI Ts'en (7614/1478)

Coauthors of article, "Studies on the Development Course of Insect Toxicology in Terms of Insect Toxicology Field." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 3, 1963, pp 36-41)

WANG CHIH-K'AI (3076/1807/2818)

SHIH PAO-K'UN (2457/1405/0931)

Coauthors of ten photographic plates entitled "An Example of the Pathogenic Morphology of Rhinoestrus Horse Infection." (Peiping, Chung-kuo Ch'u-mu Shou-i, No 3, Mar 63 pp 2 and 33) (CONFIDENTIAL)

WANG Chih-t'ang (3769/5347/2768); author of article, "Research on Application of Nitrogen Fertilizers Adapting to Rice Plants in Saline-Alkali Land." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 4, 1963, pp 18-21)

WANG Ching-yen (3769/6975/1484); Department of Physiology, Peking University; author of a documented survey entitled "Biochemistry of the Function of the Brain." (Peiping, Sheng-li K'o-hsueh Chin-chan [Progress in Physiological Sciences], Vol 5, No 1, Mar 63, pp 67-77) (CONFIDENTIAL)

C-O-N-F-I-D-E-N-T-I-A-L

WANG Hsiu-chung (3769/0208/1813), associate in Pediatric Surgery, Second Hospital of Sian Medical College; author of article, "An Improved Method of Repairing Oblique Inguinal Hernias in Children and Its Effectiveness." (Peiping, Chung-hua Wai-k'o Tsa-chih [Chinese Journal of Surgery], Vol 11, No 5, May 63, p 407)

WANG Wen-ying (3076/2429/8714), Kiangsi Local State-Operated Keng-hsin Farm; author of an article, "Report of Observations on the Toxicity of Crotalaria Spectabilis With Respect to Chickens." (Peiping, Chung-kuo Ch'u-mu Shou-i, No 3, Mar 63, pp 20) (CONFIDENTIAL)

WENG Yu-lin (5040/3768/7792), Agricultural Bureau, Chin-chiang Special District, Fukien Province; author of an article, "Comprehensive Methods for the Control of Stephanurus Dentatus Infection in Hogs." (Peiping, Chung-kuo Ch'u-mu Shou-i, No 3, Mar 63, pp 4-5) (CONFIDENTIAL)

WU Hsieh-ts'ung (0792/1331/5115)

CH'EN Chao-ying (7115/0340/5391)

Coauthors of an article, "Three Examples of Diverticulum Vaginae in Cows and One Example of Surgery." (Peiping, Chung-kuo Ch'u-mu Shou-i, No 3 Mar 63, p 23). (CONFIDENTIAL)

WU Hsing-ko (0792/1840/5514)

P'ENG Szu-chung (1756/2448/5830)

Both of Ch'eng-hsin Farm, Kiangsi Province; coauthors of an article, "Hog Poisoning From Ingesting the Insect Tou-yuan-ching (6258/5357/5464)." (Peiping, Chung-kuo Ch'u-mu Shou-i, No 3, Mar 63, pp 21-22) (CONFIDENTIAL)

WU Kung-chien (0702/0501/1696), author of an article entitled "Raise the Quality of Materials, Investigate Chemically the Geological Results of General Inspection of Mines." (Peiping, Chung-kuo Ti-chih [Chinese Geology], Vol 4, 1963, pp 19-26) (CONFIDENTIAL)

C-O-N-F-I-D-E-N-T-I-A-L

WU Kuo-tung (0702/0948/2767)

LI Lan (2627/1526)

Both of Liberation Army Hospital No 254; coauthors of a case report entitled "Epidermal Cyst of the Testicles." (Peiping, Chung-hua Wai-k'o Tsa-chih [Chinese Journal of Surgery], Vol 11, No 5, May 63, p 400)

WU Shao-ch'ing (0702/4801/7230)

LI Hua-te (2621/5478/1795)

SA Teng-san (5646/5671/0005)

All of Tuberculosis Teaching and Research Section, Chung-shan Hospital, Shanghai First Medical College; coauthors of article, "Hindrances on the Effectiveness of Lung Aeration -- Special Characteristics of Choking and Restrictions," received for publication on 1 September 1962. (Peiping, Chung-kuo Fang-lao Tsa-chih [Chinese Journal of Tuberculosis Prevention], Vol 4, No 1, 30 Apr 63, pp 6-8) (CONFIDENTIAL)

YANG T'i-ping (7122/7555/0393)

CHU T'ang-sung (2612/1048/2646)

Coauthors of article, "Law of Occurrence of Spring-Frost Injury to Wheat, Barley, and Naked Barley Plants in Kiangsu Province and Its Prevention." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 3, 1963 pp 13-18)

YAO Hsiao-jan (1202/3185/3544); author of article, "Some Problems on the Prevention and Extermination of Plant Disease and Insect Pest by Fumigant." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 3, 1963, pp 32-35)

YAO Yu-k'un (1202/3763/0981)

CHOU Shan-i (0719/0810/0001)

both of Anhwei Pai-mao-ling Farm; authors of an article, "Hog Poisoning From Ingesting Crotalaria Spectabilis." (Peiping, Chung-kuo Ch'u-mu Shou-i, No 3, Mar 63, pp 20-21) (CONFIDENTIAL)

C-O-N-F-I-D-E-N-T-I-A-L-

YEH Hui-min (5509/1920/3046); author of article, "Problems of Broad Bean Expansion to Heavy Clay Soil Fields During Winter Fallow and the Way of Settlement." The author acknowledges the participation of SUNG Shu-chiung (1345/3219/3890), CH'EN Hsien-tsu (7115/2009/4371), T'ANG Te-tzu (0781/1795/1311), LI Sheng-t'ang (2621/3932/2768), CHANG Nien-hsien (1728/1819/0341), and HUANG Tse (7806/3519) in the research. (Peiping, Chung-kuo Ning-yeh K'o-shueh [Chinese Agricultural Science], No 2, 1963, pp 31-35)

YEH Te-pei (5507/1795/0271)

LU Chia-ch'iang (0712/1367/1730)

FU Mien (0265/4875)

Coauthors of article, "Studies on the Systematic Selection of Cotton and Its Identification Technique of High-Yield Characters." (Peiping, Chung-kuo Ning-yeh K'o-hsueh [Chinese Agricultural Science], No 4, 1963, pp 32-39)

YEN Pi-ya (0917/4310/3209)

HSIEH Tang-shih (0673/3981/2514)

CHANG Yu-wei (1728/2589)

HUANG Chih-ying (7806/1807/5391)

MING An-yu (2494/1355/1342)

All of the Peking Institute of Tuberculosis; coauthors of article, "Report on Clinical Pathological Observations of Tuberculosis Complicating Pneumocardial Diseases," which was received for publication on 10 December 1962. (Peiping, Chung-kuo Fang-lao Tas-chih [Chinese Journal of Tuberculosis Prevention], Vol . No 1, 30 Apr 63, pp 17-20) (CONFIDENTIAL)

YEN hai-yu (7051/6932/1546)

CHIAO Hsu-chin (3542/3219/3830)

CHU Hsiang-jung (2612/0686/2337)

C-O-N-F-I-D-E-N-T-I-A-L

CHENG Cho-hua (6774/3504/5478)

Coauthors of an article, "Preliminary Deliberation on Hydro-Geological Stratigraphy of the Quaternary Period in North China Plains." (Peiping, Chung-kuo Ti-chih [Chinese Geology], Vol 4, 1963, pp 7-10) (CONFIDENTIAL)

YIN Shao-lin (3009/1421/2651); author of article, "A Brief Description of the Cable Driving Plow by Applying Electric Power for Water-logged Field." (Peiping, Chung-kuo Ning-yeh K'o-hsueh [Chinese Agricultural Science], No 3, 1963, pp 53-54)

YU Chih-jen (0151/1807/0080)

HUANG Liang-lu (7806/5328/3619)

CHANG Ko-ch'eng (1728/2706/2052)

Coauthors of article, "Brief Report on the Effect of the Application of TDN for the Control of Mite in Citrus." (Peiping, Chung-kuo Nung-yeh K'o-hsueh [Chinese Agricultural Science], No 2, 1963, pp 47-48)

YUN Wen-kuang (7189/2429/0342); author of an article, "Kwang-tung Hsu-wen Goats." (Peiping, Chung-kuo Ch'u-mu Shou-i, No 3, Mar 63, p 17) (CONFIDENTIAL)

* * *

UNCLASSIFIED
Central Intelligence Agency



Washington, D. C. 20505

7 September 2004

Ms. Roberta Schoen
Deputy Director for Operations
Defense Technical Information Center
7725 John J. Kingman Road
Suite 0944
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

A handwritten signature in cursive script, appearing to read "Sergio N. Alcivar".

Sergio N. Alcivar
Chief, CIA Declassification Center,
Declassification Review and Referral
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)

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Processing of OGA-Held CIA Documents

The following CIA documents located at DTIC were reviewed
by CIA and declassification guidance has been provided.

OGA Doc ID	Job Num	Box	Fldr	Doc	Doc ID	Document Title	Pub Date	Pages	Decision	Proc Date
AD0343932	78-03117A	213	1	18	5117	Scientific Information Report Chinese Science (34)	10/22/1963	89	Approved For Release	3/29/2004
AD0344702	78-03117A	214	1	21	5149	Scientific Information Report Chinese Science (35)	11/4/1963	133	Approved For Release	3/29/2004
AD0344965	78-03117A	215	1	4	5163	Scientific Information Report Chinese Science (36)	11/7/1963	133	Approved For Release	3/29/2004
AD0345229	78-03117A	215	1	23	5182	Scientific Information Report Chinese Science (37)	11/18/1963	179	Approved For Release	3/29/2004
AD0345750	78-03117A	216	1	20	5209	Scientific Information Report Chinese Science (38)	12/11/1963	174	Approved For Release	3/29/2004
AD0344419	78-03117A	217	1	20	5241	Scientific Information Report Chinese Science (39)	12/27/1963	75	Approved For Release	3/29/2004
AD0346493	78-03117A	218	1	21	5277	Scientific Information Report Chinese Science (40)	1/10/1964	115	Approved For Release	3/29/2004
AD0346725	78-03117A	219	1	27	5320	Scientific Information Report Chinese Science (41)	1/27/1964	78	Approved For Release	3/29/2004
AD0347051	78-03117A	220	1	25	5359	Scientific Information Report Chinese Science (42)	2/6/1964	78	Approved For Release	3/29/2004
AD0347849	78-03117A	221	1	39	5407	Scientific Information Report Chinese Science (43)	3/2/1964	174	Approved For Release	3/29/2004
AD0347929	78-03117A	222	1	25	5438	Scientific Information Report Chinese Science (44)	3/5/1964	104	Approved For Release	3/29/2004
AD0348352	78-03117A	223	1	20	5479	Scientific Information Report Chinese Science (45)	3/20/1964	117	Approved For Release	3/29/2004
AD0349491	78-03117A	225	1	18	5560	Scientific Information Report Chinese Science (46)	4/24/1964	118	Approved For Release	3/29/2004
AD0349657	78-03117A	225	1	34	5581	Scientific Information Report Chinese Science (47)	5/4/1964	98	Approved For Release	3/29/2004
AD0332751	78-03117A	183	1	29	3940	Scientific Information Report Electronics And Engineering (22)	10/19/1962	68	Approved For Release	3/29/2004
AD0333146	78-03117A	186	1	20	4041	Scientific Information Report Electronics And Engineering (23)	11/23/1962	73	Approved For Release	3/29/2004
AD0334103	78-03117A	188	1	37	4136	Scientific Information Report Electronics And Engineering (24)	12/20/1962	62	Approved For Release	3/29/2004
AD0334236	78-03117A	190	1	40	4217	Scientific Information Report Electronics And Engineering (25)	1/22/1963	48	Approved For Release	3/29/2004
AD0334769	78-03117A	193	1	39	4339	Scientific Information Report Electronics And Engineering (26)	2/28/1963	68	Approved For Release	3/29/2004
AD0335480	78-03117A	196	1	17	4436	Scientific Information Report Electronics And Engineering (27)	3/21/1963	95	Approved For Release	3/29/2004
AD0336306	78-03117A	199	1	2	4538	Scientific Information Report Electronics And Engineering (28)	4/25/1963	69	Approved For Release	3/29/2004
AD0332433	78-03117A	183	1	35	3946	Scientific Information Report Organization And Administration Of Soviet Science (5)	10/22/1962	60	Approved For Release	3/29/2004