

CHINESE UNIVERSITY BULLETIN

Summer • Autumn 1991





Chinese University Bulletin

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The *Chinese University Bulletin* is an official publication of The Chinese University of Hong Kong published by the University Secretariat for distribution to members and friends of the University.

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Covers: University campus (Picture taken in September 1991)

Advisory Committee on *Chinese University Bulletin*

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More Funds for Research

In 1990-91, University staff members obtained some HK\$14.7 million from the government to launch research projects in various subject disciplines. This year, the figure has risen sharply by nearly 100 per cent to HK\$29.2 million.

A Research Committee Supported by Seven Subject Panels

To promote research activities within the University and to regularly review its long-term research policies, the University has set up a Research Committee, which is also responsible for coordinating the submission of research proposals by faculty members to the government for funding support. Under the Research Committee seven supporting sub-

ject panels have been formed, each responsible for screening and evaluating research proposals in a particular subject area. They will also provide advice and assistance to faculty members in the preparation of research plans and budgets. The composition of the Research Committee and its seven panels is as follows:

Research Committee

Chairman : Prof. S.W. Tam
Members : Prof. S.T. Chang
 Prof. D.C. Lau
 Prof. Rance P.L. Lee
 Prof. P.C. Leung
 Prof. S.H. Liu
 Prof. K.C. Mun
 Prof. Omar Wing
 Prof. Kenneth Young
Secretary : Mrs. Alice Yip

Subject Panels

- | | |
|--|--|
| (1) <i>Arts and Language Panel</i>
Dr. Philip Shen
Dr. John J. Deeney
Prof. D.C. Lau
Dr. Daniel P.L. Law
Dr. N.H. Lun Ng
Mr. Yue Kwan Cheuk
Dr. H.H. Ho | (2) <i>Business Administration Panel</i>
Dr. M.K. Nyaw
Prof. K.C. Mun
Prof. F.A. Gul
Dr. K.H. Lee
Prof. R.H. Scott
Prof. S.H. Yu |
| (3) <i>Biological Science Panel</i>
Prof. S.T. Chang
Prof. C.Y. Lee
Dr. C.M. Lee
Dr. Y.M. Choy
Dr. K.W. Chiu
Dr. N.Y.S. Woo | (4) <i>Engineering Panel</i>
Prof. T.C. Chen
Dr. H.S. Hung
Dr. T.S. Yum
Dr. E.Y.B. Pun
Prof. Omar Wing
Prof. V. Lum |
| (6) <i>Physical Science Panel</i>
Prof. Kenneth Young
Dr. Li Wai-kee
Dr. Chik Kin-pong
Dr. Chan Wai-leung
Dr. Lee Sik-yum | (5) <i>Medicine Panel</i>
Prof. P.C. Leung
Prof. C.Y. Lee
Prof. J.A. Gosling
Prof. T.E. Oh
Prof. J.C.K. Lee
Prof. D. Anderson |
| | (7) <i>Social Science & Education Panel</i>
Prof. Rance P.L. Lee
Prof. H.C. Kuan
Dr. P.W. Liu
Prof. Y.M. Yeung
Dr. Leslie N.K. Lo
Dr. P.K. Siu |

Satisfactory Results in Recent Years

Through the efforts of the Research Committee, the subject panels, as well as faculty members committed to research, the research proposals submitted through the University to the University and Polytechnic Grants Committee (UPGC) have successfully

attracted both direct and earmarked grants from the government for research. The number of research projects supported has been on the steady increase since 1988 and so has the total amount of grants obtained.

<i>Year</i>	<i>No. of Projects Supported by Earmarked Grants</i>	<i>Earmarked Grant Received (HK\$m)</i>	<i>Direct Grant Received (HK\$m)</i>	<i>Total Grant for the Year (HK\$m)</i>
1988-89	12	4.9	2.5	7.4
1989-90	18	7.35	3.34	10.69
1990-91	25	10.74	3.95	14.69

Greater Success in 1991-92

For 1991-92, the government has made available HK\$100 million to seven local tertiary institutions including The Chinese University of Hong Kong (CUHK), the University of Hong Kong (HKU), the Hong Kong University of Science and Technology (HKUST), the Hong Kong Polytechnic (HKP), the City Polytechnic of Hong Kong (CPHK), the Hong Kong Baptist College (HKBC), and Lingnan College (LC) for research purposes. Of this amount, \$30 million has been directly allocated to these institutions to finance projects costing less than \$200,000 each, \$7 million has been set aside for central allocation to strengthen the research base in the institutions, and the balance of \$63 million has been awarded to deserving research proposals submitted by the academic and research personnel in the seven institutions and selected by the UPGC's Research Grants Council for support. Selection is based on the competitive merits of the various proposals, their contributions to the academic development of the

respective institutions, and to Hong Kong's overall economic and social development.

This year, the University has again outdone other tertiary institutions in the competitive bid for UPGC earmarked grants for research. Of the 135 research proposals selected by the Research Grants Council of the UPGC, 44 (32.6 per cent) are CUHK projects. This is also the highest score among the UPGC-funded institutions. These 44 projects will receive earmarked grants totalling \$22,239,000, representing 35.4 per cent of the government's \$63 million budget for 1991-92. The University has also received an additional \$7 million in the form of a direct grant for research projects costing less than \$200,000 each. The total amount obtained for 1991-92 is therefore \$29.2 million, nearly double that of last year.




Here is a summary of the results of the UPGC deliberations on bids submitted by local tertiary institutions:

Direct Grants		
<i>Institution</i>	<i>UPGC allocation (HK\$m)</i>	<i>Overall percentage</i>
CUHK	7	23.33
HKU	7	23.33
HKUST	3	10
HKP	5	16.67
CPHK	4	13.33
HKBC	3	10
LC	1	3.34
	<u>30</u>	<u>100</u>

Earmarked Grants			
<i>Institution</i>	<i>No. of Projects Supported</i>	<i>Amount Allocated (HK\$m)</i>	<i>Overall percentage</i>
CUHK	44	22.239	35.4
HKU	37	16.88	26.9
HKUST	18	8.825	14.1
HKP	19	6.575	10.5
CPHK	13	5.835	9.3
HKBC	4	2.365	3.8
	<u>135</u>	<u>62.719</u>	<u>100</u>

Details of Projects Awarded Earmarked Grants

The 44 successful research projects this year fall into eight different areas: management and social studies, language, biological sciences, computer science and information technology, education, electronic engineering, medicine, and physical sciences. Details are separately tabled below. □

	<i>Project Title</i>	<i>CUHK Investigators</i>	<i>Funds Approved (HK\$m)</i>
	Management & Social Studies		
	Resource Management of Country Parks with Geographic Information System and Remote Sensing Technologies	Dr. T. Fung	0.500
	Development of an Intelligent Spatial Decision Support System	Dr. Y. Leung Dr. K.S. Leung	0.660
	The Objective Assessment of Cognitive Deficits in Attention Deficit – Hyperactivity Disorder (AD-HD) Children in Hong Kong	Dr. J.P. Leung Dr. C.S.K. Tang	0.240
	Political Culture and Political Participation of the Hong Kong Chinese	Prof. S.K. Lau Prof. H.C. Kuan	0.300
	Marital Adjustment, Parent-Child Relations and the Psychological Well-being of Midlife Married Adults in Hong Kong	Dr. D.T.L. Shek Dr. M.C. Lam Mr. K.W. Tsoi Miss C.M. Lam	0.490
	Further Validation and Development of Uniform T-Scores for the Chinese Multiphasic Personality Inventory	Dr. F.M.C. Cheung Dr. K. Leung Dr. J. Sachs	0.300
	Language		
	The Creation of a Computer-based Corpus of Spoken and Written English in Hong Kong	Dr. J.H.W. Hung	0.450
	The Development of Grammatical Competence in Cantonese-speaking Children	Dr. T.H.T. Lee	0.700
	Biological Sciences		
	Protein Engineering of Trichosanthin (TCS) and α -momorcharin (α -MMC): Modification of Antigenic Determinants and Structure-Function Studies	Dr. P.C. Shaw Dr. W.K.K.Ho Dr. Y.S. Moon Dr. H.W. Yeung Dr. T.B. Ng	2.290
	Phosphatidylinositol Phosphate Kinase – Regulation by G Proteins and the Development of Specific Inhibitors	Dr. C.H.K. Cheng	0.420

<i>Project Title</i>	<i>CUHK Investigators</i>	<i>Funds Approved (HK\$m)</i>
Effect of Hyperthermia on Tumour Cells	Prof. C.Y. Lee Dr. K.P. Fung	0.350
Molecular Modification and Pharmacological Characterization of a Novel Platelet Activating Factor Receptor Antagonist	Dr. C.M. Lee Dr. H.N.C. Wong	0.520
Development of Antibodies for the Molecular Characterization of NK1 Substance P Receptor	Dr. C.M. Lee Dr. W.K.K. Ho	0.380
Regulation of Low Density Lipoprotein Receptor Activity at the Gene Level	Dr. W.K.K. Ho Dr. C.M. Lee	0.470
An Assessment of the Feasibility of Developing 'Factory-based' Marine Fish Culture	Dr. N.Y.S. Woo	0.400
Application of Microbial Technology in Degradation and Decolourization of Synthetic Dyes	Dr. P.K. Wong	0.570
Protoplast and Molecular Studies of <i>Volvariella Volvacea</i>	Prof. S.T. Chang Dr. S.W. Chiu	0.495

Computing Science and Information Technology

A Knowledge-based Approach to Integrated Project and Resource Management	Dr. H.W. Chun	0.240
Design, Analysis, and Implementation of Integrated Services Networks	Dr. P.C. Wong	0.530
Complexity Reduction of Artificial Neural Networks and Its Applications	Dr. C.P. Kwong	0.390
Intelligence Software Tools for Telecommunication Network Management	Dr. H.W. Chun Mr. M.K. Lai Dr. T.S. Yum	0.640
High Speed Transmission of Medical Images	Dr. W.Y. Ng Prof. G.J. Fan	0.290

Education

A Survey of the Effectiveness of Hong Kong Secondary School System	Dr. L.N.K. Lo Dr. Y.P. Chung Mr. C.M. Chung Dr. Y.C. Cheng Mr. W.K. Tsang	0.400
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<i>Project Title</i>	<i>CUHK Investigators</i>	<i>Funds Approved (HK\$m)</i>
Electronic Engineering		
Spontaneous Estimation of Nonstationary Time Delays in the Presence of Multipath Propagations	Dr. P. C. Ching	0.470
Optical Integrated Circuits for Optical Fibre Communication and Optical Signal Processing Systems	Dr. E.Y.B. Pun	0.840
Medicine		
Cloning of a Gene from <i>Trichinella Spiralis</i> Which Encodes for a Diagnostically Important Antigen and Using the Product to Develop a Rapid Immunoassay for Detecting Trichinosis in Pigs	Dr. P.L. Lim Miss W.F. Choy	0.350
Histologic Characterization of Degenerative Cerebral Changes in Chinese	Dr. H.K. Ng Dr. W.S. Poon	0.310
Brain Edema after Head Injury: Mechanism and Treatment	Dr. A. Stadlin Dr. D.S.C. Tsang Dr. W.S. Poon Dr. Tong Gin	0.630
Increased Oxidative Metabolism of Paracetamol in Patients with Hepatocellular Carcinoma – Characterization of Cytochrome P450 System and Investigation of Its Role in the Pathogenesis of Hepatocellular Carcinoma	Dr. J.A.J.H. Critchley Dr. N.W.Y. Leung Prof. A.K.C. Li	0.550
Assessment of the Central and Peripheral Haemodynamic Changes in Hypertensive Chinese and Their Response to Antihypertensive Therapies Using Non-invasive Techniques	Dr. B. Tomlinson Dr. J.A.J.H. Critchley	0.360
Effect of Age on the Pharmacokinetics of Isoniazid, Rifampicin, and Pyrazinamide in Chinese Patients with Tuberculosis	Dr. J. Woo Dr. K. Chan	0.380
A Study of the Mechanisms of Biliary Stent Blockage and Its Prevention	Dr. J.W.C. Leung	0.320
An Investigation of the Cellular Mechanisms of Action of Atrial and Brain Natriuretic Peptides (ANP-BNP) in Astrocytes	Dr. V.T.F. Yeung Dr. C.S. Cockram Dr. C.M. Lee Prof. M.G. Nicholls	0.420

<i>Project Title</i>	<i>CUHK Investigators</i>	<i>Funds Approved (HK\$m)</i>
The Exploration of Viral Replication in Kidney in Hepatitis B Virus (HBV) Induced Membranous Nephropathy by Detection of HBV mRNA	Dr. K.N. Lai Dr. J.S.L. Tam	0.260
Oligonucleotide Probes for the Detection of Aminoglycoside-resistance Genes in Clinical Isolates	Dr. J.M. Ling	0.470
Feasibility Study of a New Cervical Screening Test	Dr. F.W.S. Wong Dr. D.W.S.P. Huang Dr. M.K.M. Chan	0.630
Cartilage Growth: An <i>in vitro</i> Mammalian Model for the Study on Phenotypic Characterization of Cartilage Cells during Endochondral Ossification	Mr. S.K.M. Lee Prof. P.C. Leung	0.520
The Survival of Cancellous Bone Grafts – A Study on the Basic Physical Properties That May Lead to the Revascularization and Subsequent Survival	Dr. P.W. Hui Mr. H.L. Sher Prof. P.C. Leung	0.420
Effect of Calcium Supplementation on the Calcium Absorption and Bone Mineral Content (BMC) of Children Who Have Habitually Low Calcium Intake	Dr. S.S.F. Leung Prof. J.R.L. Masarei Dr. J.C.Y. Cheng	0.394
Coupling of Trichosanthin to Dextran: Its Effects on Pharmacokinetics, Immunoactivities, and Bioactivities of Trichosanthin	Dr. M.S.C. Tam	0.500
Physical Sciences		
Synthetic, Structural, Mechanistic and Catalytic Studies of Metal-Organic Compounds	Prof. T.C. W. Mak Dr. K.S. Chan Dr. K.W.P. Leung	0.840
Vapour Phase Epitaxial Growth of Ternary and Quarternary Direct Band Gap Semiconductor Compounds and Artificial Structures	Dr. S.K. Hark Prof. C.L. Choy Dr. W.K. Lee	0.740
Nonlinear Partial Differential Equations and Applications	Dr. W.L. Chan Dr. K.S. Tso	0.370
Analysis of Structural Equation Models with Non-standard Data	Dr. S.Y. Lee Dr. W.Y. Poon	0.440



What do we want to be?

What will distinguish us from the other tertiary institutions that also offer a programme of study in engineering and computer science?

The New Faculty of Engineering

Omar Wing

On 1st August 1991, the Faculty of Engineering of the Chinese University of Hong Kong was formally established. With a new beginning comes new opportunities and challenges. Now the faculty must define its mission and find the resources to realize its goals and aspirations.

Engineering traces its root to an Electronics minor in the Department of Physics and Electronics in 1967 in the Faculty of Science. Three years later, it became the Department of Electronics, which was changed to the Department of Electronic Engineering in 1988. In the same year, the Department of Information Engineering was established. Together with the Department of Computer Science, which was founded in 1973, the three departments were then placed under one administrative unit within the Faculty of Science. In 1991, the Department of Systems Engineering was added and the Faculty of Engineering came into being as a separate academic unit of the University.

What do we want to be? What will distinguish us from the other tertiary institutions that also offer a programme of study in engineering and computer science? There is but one answer: excellence in research and teaching.

To achieve excellence, we must have a faculty populated with scholars who are leaders in their fields. We must also have an incentive system that rewards excellence in all that we do.

Secondly, we must be selective in choosing research areas and in deciding in which of the many engineering disciplines the faculty will offer programmes of study. The resources of a university are always limited and public funds should only support education programmes that complement one another.

It is interesting to note that over 70 per cent of the industry in Hong Kong is in the service sector. Much of it is in finance, banking, trading, shipping, insurance and the like, and its principal commodity is information. The daily engagement of these industries

is the generation, processing, transmission, interpretation, and presentation of information. The abstraction of all that they do could be called the *information industry*, and the technology that supports it could be called the *information technology*.

In our view, information technology will be the key industry for Hong Kong in the years to come. The expanding use of the computer to process and transmit multilingual information in all forms – voice, data, image, video, over a broad-band telecommunication network linked to all parts of the world – will be the driving force behind this industry. Our education mission should therefore be directed to support it.

Information technology is rooted in computer science, electronics, communications and system management. These are the disciplines of the four constituent departments of the faculty, and the founder of engineering in The Chinese University, our vice-chancellor Prof. Charles K. Kao, had the wisdom, at the very beginning, to link the study of electronics with the use of the computer and with its applications to communications. This principle has guided and will continue to guide the development of engineering in the future.

With much encouragement from the University and with substantial support from the University and Polytechnic Grants Committee over the last few years, the staff members have begun to take on more and more research activities. Our goal is to transform the faculty into one in which every staff member is expected to be one of the best in his/her research field. Over the next few years, we have the opportunity to add staff in key areas as the faculty expands to meet its obligation to increase the undergraduate enrollment by 60 per cent.

With a clear vision of what we want to be and with the proper support, the Faculty of Engineering is well-poised to become a centre of excellence in information technology, in research and in education, to serve the needs of Hong Kong and its industries. □

Prof. Omar Wing
Dean of Faculty of Engineering



Prof. Omar Wing has been appointed by the vice-chancellor to discharge the functions and duties of the dean of the Faculty of Engineering from 1st August 1991, until such a time when a dean of the faculty is elected, which will take place not later than 1st August 1992.

After graduating with a BS degree from the University of Tennessee in the USA in 1950, Prof. Wing pursued further studies at the Massachusetts Institute of Technology and obtained an MS degree in 1952. He completed his doctoral studies at Columbia University and was awarded Eng. Sc.D. in 1959. Thereafter he served in the Department of Electrical Engineering of Columbia University for 32 years, first as assistant professor, then as associate professor, and finally as professor from 1969 to 1991. He was chairman of the department during 1974-78 and 1983-86. He is a fellow of the Institute of Electrical and Electronic Engineers.

Prof. Wing is married, with two children.

Department of Computer Science



First row from left: Dr. K.W. Ng, Dr. H.S. Hung, Prof. S.C. Loh, Prof. T.C. Chen, Dr. K.S. Leung, Dr. L.W. Chan, Dr. H.S. Yang
Second row from left: Dr. Y.S. Moon, Dr. W.K. Kan, Dr. K.H. Wong, Dr. M.C. Lee, Dr. L.K. Chan, Dr. Y.F. Fung, Dr. S.L. Tung

Department of Information Engineering



From left: Dr. P.C. Wong, Dr. M.K. Lai, Dr. T.S. Yum, Dr. H.W. Chun, Dr. W.Y. Ng, Prof. O. Wing, Prof. S.Y. Li, Dr. W.H. Yeung, Dr. M.Y. Chang, Dr. C.P. Kwong

Department of Electronic Engineering



Clockwise from front row: Prof. I.H. Wilson, Dr. C.S. Choy, Dr. C.K. Chan, Dr. T. Lee, Dr. K.M. Luk, Dr. K.Y. Lai, Mr. T.C. Choy, Dr. Y.B. Pun, Dr. S.P. Wong, Dr. S.M. Chiang, Dr. J.S. Li, Dr. W.K. Cham

Department of Systems Engineering



From left: Dr. K.P. Lam, Mr. W.N. Liu, Prof. Y.S. Lum, Dr. C.S. Chang, Mrs. R. Lui

The School of Education Becomes a Faculty

Formative Years

Established in 1965, the School of Education was the University's first professional school for training graduate teachers.

During its early years, the School's mission was simply to provide a one-year Diploma-in-Education course to train university graduates to become professional teachers at the senior secondary level. It was run on a very small scale in rented premises in downtown Kowloon, with only a handful of lecturers and some 20 students. Only a dozen courses were offered.

Steady Growth

In the mid-1970s, secondary education in Hong Kong underwent rapid expansion. Local educational authorities began to place more emphasis on the professionalization of teachers. University graduates teaching in secondary schools were required to obtain a Diploma-in-Education before they could be considered fully-qualified and eligible for promotion. Hence, the social demand for postgraduate teacher training increased tremendously. There was also an emerging need for more educational researchers. The School of Education responded to such needs by expanding, diversifying and upgrading its curriculum and facilities. It moved into Sha Tin in 1973 and operated in classrooms and offices on the Chung Chi campus. In the same year, a new programme leading to the Master of Arts in Education was offered.

In 1978 when the Hong Kong Government formulated its development plans for senior secondary and tertiary education, the School already had some 15 full-time lecturers, and about 500 students, who were enrolled respectively in the one-year full-time diploma, two-year part-time in-service diploma, and the Master of Arts (Education) programmes. In the years that followed, the School continued to develop in accordance with plans outlined by the government to meet societal needs.

All through the first 20 years of its existence, the School of Education functioned rather independently, first as a unit directly placed under the University Senate, and following a major reorganization of the University in 1976-77, as a separate division within the Graduate School. However, while the staff and

students of the School were inevitably full members of the University, the School itself was different from other academic units in that it did not have a faculty board or a departmental board of studies. Nor was there any elected representation from the School in the academic and administrative structure of the University.

A Period of Change

In 1987-88, therefore, the teaching staff of the School unanimously adopted a resolution requesting the University to reorganize the School into a faculty with three departments, viz., Educational Psychology, Curriculum and Instruction, and Educational Administration and Policy. The University Senate accepted the proposal in principle, and further resolved to transfer to the School the Physical Education Unit, which had been in charge of undergraduate physical education, to facilitate the development of research and professional training in that discipline.

In 1988-89, teaching staff of the School elected from among themselves the director of the School for the first time. Other aspects of the reorganization were also realized step by step. As of 1991-92, the School has formally been reconstituted as the Faculty of Education, with a newly elected dean, Dr. Leslie N.K. Lo. It has finally attained equal status with the faculties of arts, science, social science, business administration, and medicine. Within the faculty, there are four departments: Educational Psychology, Curriculum and Instruction, Educational Administration and Policy, and Physical Education. The first three departments report, through the two Boards of Studies in Education (one for Academic Programmes and the other for Professional Programmes), to the Faculty Board of Education and the Senate.

Reorganization Complete

At the start of the 1991-92 academic year, the newly reorganized Faculty of Education has a teaching staff force of 60, and a student enrolment of over 800, who are pursuing different programmes of studies leading to the Diploma-in Education (three programmes), the Master's degree (by coursework and thesis or by coursework only, in eight specializations), the doctoral degree (three specializations), or

the bachelor degree (two part-time programmes). The faculty also offers physical education as well as general education courses in education for undergraduate students of the University. All together over 160 courses are offered through these programmes. The faculty is now housed in the purpose-built Ho Tim Building on the Chung Chi campus.

Over the years, the School of Education has trained for Hong Kong some 6,000 senior secondary teachers, more than 200 educational researchers and specialists, and more than 50 teacher educators. The

academic staff and research students of the School have also made significant academic contributions through their scholarly studies, the findings of which have been published in the School's bilingual *Education Journal*, as well as other major international journals. With the establishment of this new faculty, it can be expected that staff members concerned will strive for even greater achievements in teaching and research and greater contributions to the Hong Kong community, to other major Chinese societies, and towards the blending of Chinese and Western cultures. □

Dr. Leslie N.K. Lo,
Dean of Education



Dr. Leslie Nai-Kwai Lo completed his secondary education in St. Paul's College in Hong Kong and furthered his studies in the United States. He graduated with a B.A. degree in public affairs from the University of Oregon and obtained his Master degree in international affairs, his Ph.D.

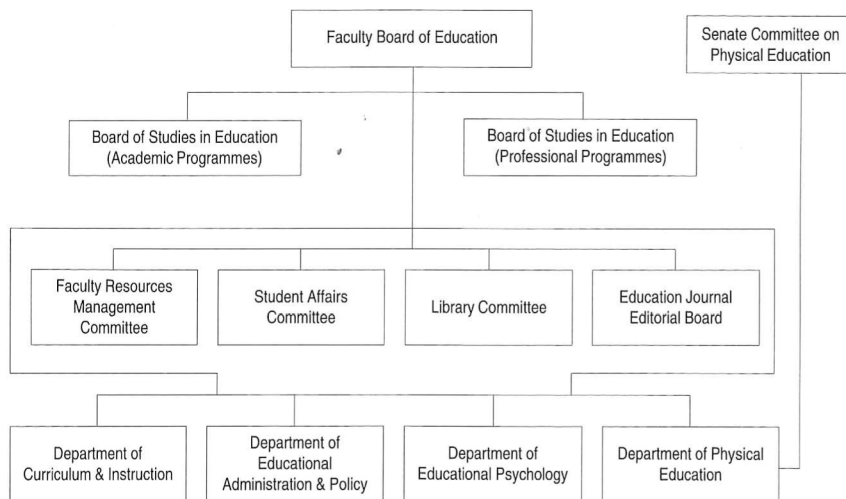
degree in education, and a Certificate of East Asian Studies from Columbia University. In 1982, he returned to Hong Kong and began his teaching career at The Chinese University. Over the past nine years, Dr. Lo has devoted much effort towards developing comparative education into a specialized area of study and has focused his research on educational

developments in contemporary Asia and China.

For three years from 1987 to 1991, Dr. Lo was head of the Graduate Division of Education and contributed significantly to the reform of the post-graduate programmes of the School of Education. In 1990, he was promoted to senior lecturer in education. In August 1991 the School of Education was reconstituted into a faculty, and Dr. Lo was elected as the first dean of the Faculty of Education.

Dr. Lo has published numerous articles and chapters in scholarly journals and noteworthy books. His translation of *Peking Man*, a famous work of the Chinese playwright Cao Yu, was published by the Columbia University Press. His two electronic publications on democracy and education – *The Meaning of Democracy* and *Democratic Education* – represent an effort to illuminate pressing social issues for the local teaching profession. Dr. Lo has also recently been appointed by HE the Governor as a member of the Board of Education.

Structure of Faculty of Education



Department of Educational Administration and Policy



From left: Dr. N.K. Lo, Dr. Y.C. Cheng, Dr. S.C. Lee, Dr. B. Chan, Dr. W.K. Tsang, Dr. K.K. Lau, Dr. G. Mak, Dr. P.K. Choi

Department of Curriculum and Instruction



From left: Dr. H.W. Wong, Mr. M.M. Sze, Dr. H.K. Chow, Dr. P.K. Yam, Mrs. M. Falvey, Dr. S.Y. Mak, Mr. Y.W. Fung, Mr. C.M. Chung, Ms. K.C. Au, Mr. N.Y. Wong, Mr. K.H. Fong, Mr. C.K. Yeung, Ms. T. Siu

Department of Physical Education

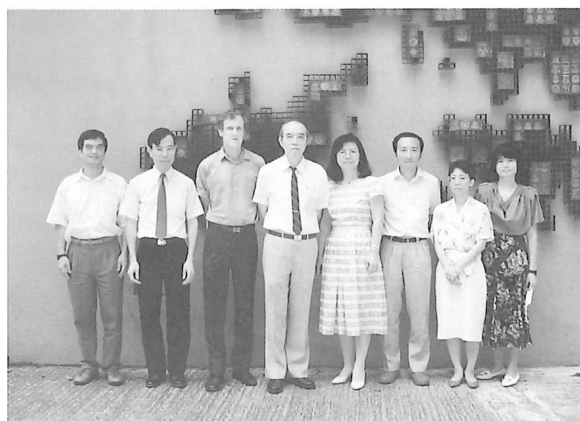


First row from left: Mrs. L.C.C. Lui, Mrs. B.C.T. Kong, Mrs. C.M. C. Chau, Dr. Lena Fung, Ms. Amy Ha, Ms. S.Y. Cheung, Ms. K.Y. Hon

Second row from left: Dr. Lobo Louie, Mr. Y.C. Lo, Mr. K.H. Poon, Dr. Frank Fu, Mr. W.C. Lau, Dr. Roy Chan, Mr. Y.W. Kwok, Mr. T.K. Lo

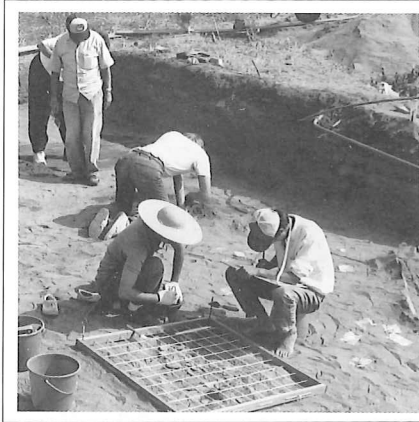
Third row from left: Mr. M.H. Lo, Mr. Y.C. Lee, Dr. Roger Eston, Mr. J. Wong, Mr. S.K. Ng, Mr. Joe Poon

Department of Educational Psychology



From left: Dr. D.W. Chan, Dr. P.C. Cheung, Dr. R.M. Heyworth, Dr. P.K. Siu, Dr. M.P. Lam, Mr. K.T. Hau, Dr. H.F. Tsui, Dr. W.Y. Lin

Digging into the Past



Established in 1978, the Centre for Chinese Archaeology and Art was the brainchild of Prof. T.C. Cheng, former pro-vice-chancellor of the University; Prof. James Watt, former curator of the Art Gallery, and the late Mr. Lam Shou Chun, senior lecturer of the Department of History. The centre aims at pooling the resources of the Art Gallery and the Departments of History and Fine Arts to lay a solid foundation for research into Chinese archaeology and art, and to promote scholarly exchange with similar institutions worldwide.

Since its inception, the centre has engaged in the compilation of data archives and the building up of a computerized database of publications in the field. Recently, the centre has shifted the emphasis of its activities to field archaeology, and a small fieldwork team headed by Mr. Tang Chung and Mr. Au Ka Fat has been formed and become very active in local excavations.

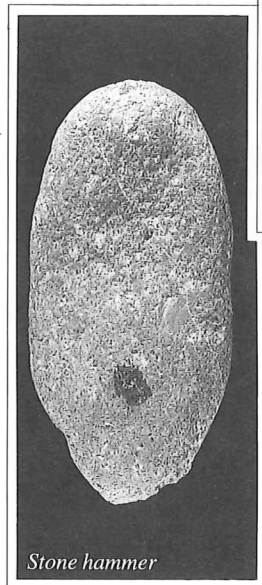
Field Archaeology Activities

The centre has for many years devoted its efforts to studying the prehistoric civilization of Hong Kong and is presently the only local academic institution dedicated to the systematic excavation of archaeological sites in the territory. From 1987 to 1991, major excavations were carried out in the following sites :

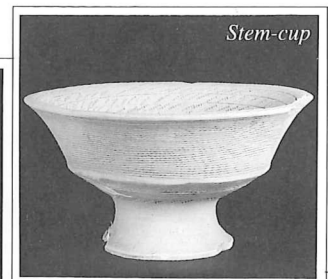
The Tungwan Site on Lantau Island

In 1978, the field-work team started to excavate the Tungwan site on Lantau Island in collaboration with the University of Tsukuba and Chiba University of Japan, Zhongshan University and Shenzhen

Museum of China, and the Hong Kong Archaeological Society.



Stone hammer



Stem-cup



Jar

Objects unearthed at the Tungwan Site

After two years of hard work, it was discovered that the earth at the site could be divided into several cultural layers, belonging chronologically to the Neolithic Age, the Warring States period, the Pre-Han Period, the Six Dynasties period and the Tang period. The lowest layer is five to six thousand years old, presently the oldest civilization discovered in Hong Kong.

A large quantity of cultural relics were unearthed, including prehistoric tools and pottery bowls of the Warring States period and the early Han Dynasty. Both the shape and design of these bowls closely resemble those unearthed from the Pre-Han grave in Guangzhou. Not only are they invaluable objects in the study of neolithic technology, they also

prove that the earliest Tungwan culture bears resemblance to that of Southeast China, Taiwan, Changbin, Indo-China and Hoabin, and that early peoples in the southern part of East Asia had close cultural linkages.



✂

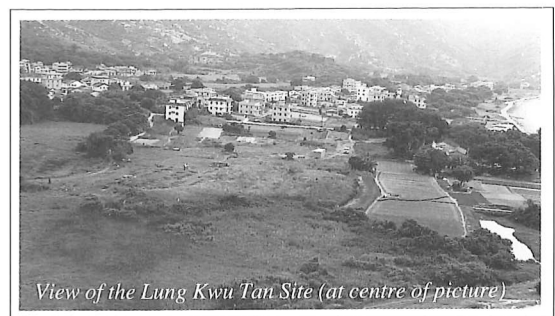
The Lung Kwu Tan Site

Located in Tuen Mun, Lung Kwu Tan was first designated in 1985 as one of the five major archaeological sites in Hong Kong, the four other sites being Shamwan on Lamma Island, Cheung Sha on Lantau Island, Yung Long and Lung Kwu Sheung Tan in Tuen Mun. As Lung Kwu Tan was then located on the site of a proposed highway, the government had set aside funds in the highway construction budget for an excavation project to unearth the ancient relics at the site.

In October 1989, the Centre for Chinese Archaeology and Art was invited by the Antiquities and Monuments Office of the Recreation and Culture Branch of the Government Secretariat to participate in the excavation project. That was also the first local archaeological excavation led by Chinese archaeological experts.

The mission lasted for five months and was completed in February 1990. A large quantity of Neolithic relics were discovered, giving valuable information on the prehistoric civilization in Hong Kong and the Neolithic history of Southeast China.

Most of the items unearthed were sherds of pottery utensils, a dozen of which could be fully restored. Other relics included elaborate stone rings, stone hammers, crystal flakes, grooved stones and splitters, all belonging to the late Neolithic Age. The grooved stones, used as knife-sharpeners by the early peoples, were estimated to be over 3,000 years old. The splitters were equally old, if not more valuable, and were used as wedges. Judging from such relics, Lung Kwu Tan was inhabited some 3,000 to 4,000 years ago and might have been a workshop for stone rings to be used as ornaments or burial objects.

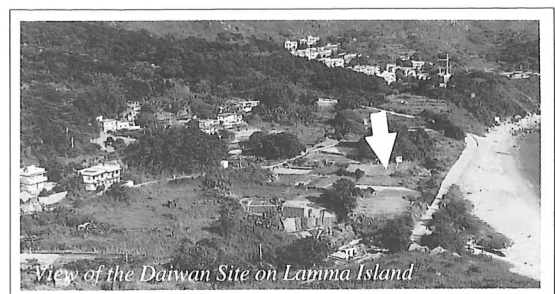


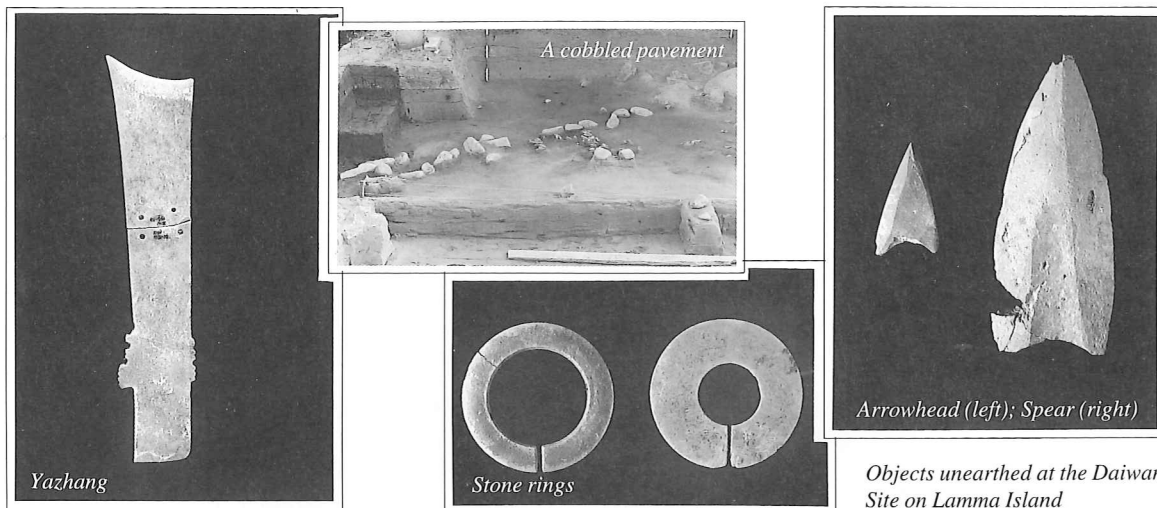
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The Daiwan Site on Lamma Island

Under the sponsorship of Bei Shan Tang Foundation Ltd., the archaeological team of the Centre for Chinese Archaeology and Art collaborated with Zhongshan University in another excavation project in October and November 1990, this time at the famous Daiwan site on Lamma Island. Excavation activities at Diawan can be traced back to as early as 1933, and from diggings carried out in 1990, ancient graves some 2,000 years old were discovered. That was the first discovery of its kind near the Guangdong Province,

and more than 20 ceremonial objects made of jade and stone were unearthed.





Objects unearthed at the Daiwan Site on Lantau Island

Lantau Island Northern Developing Area

Earlier this year, commissioned by the government, the centre started excavation activities in the northern part of Lantau Island before construction work begins for the new airport at Chek Lap Kok and the Lantau Fixed Crossing. The mission is expected to last 13 months and be completed April 1992.

Large quantities of relics belonging to the Neolithic Age, and the Tang, Song and Yuan dynasties have already been discovered at various spots in the area, most of them belonging to the Tang Dynasty, indicating that at least a few thousand people lived on the island at that time. This has never been recorded in any written history.

Other Activities

In addition to conducting excavations, the centre holds seminars and conferences from time to time to exchange information and experience with its counterparts in other parts of the world. Recent activities include a conference entitled 'International Conference of Prehistory in the South China Sea Area' jointly organized with Zhongshan University and the Shenzhen Museum on 28th and 29th June. More than 20 scholars from Hong Kong, Japan, Canada and the southeast provinces of China attended. A monograph 'Archaeological Finds from the Pearl Delta in Guangdong, China' was also launched to commemorate the occasion.

The exhibition will introduce the basic concepts of archaeology, the origins of the people in Hong Kong, and local archaeological discoveries in recent years. It will be launched in San Tung Uk in November and will tour various secondary schools afterwards.

The Study of Palaeolithic Cultures 12,000 Years Old

The centre has obtained the permission of the Administrative Bureau of Museums and Archaeological Materials of China to engage in the study of Palaeolithic cultures 12,000 years old in conjunction with the Archaeology Institute of Shanxi. The Bei Shan Tang Foundation Ltd. has agreed to sponsor the travelling expenses of one researcher to Shanxi Province for this project in October and November 1991.

Future Projects

The centre will continue to strengthen its field excavation activities. Besides studying the materials gathered, reports will be published and new projects will be launched. Education programmes will also be organized to propagate archaeological knowledge locally. Recent plans include:

Publication of Archaeological Findings

The four major excavations carried out in Tungwan, Lung Kwu Tan, Daiwan and Lantau Island (Northern Developing Area) have resulted in the discovery of valuable cultural relics and other archaeological materials. Details of the various findings will in due course be published by the centre in the form of reports and monographs. □

Decoding the Past – Introduction to Hong Kong

The centre will hold a joint exhibition entitled 'Decoding the Past – Introduction to Hong Kong' with

News in Brief

Council Appointments

Pro-Vice-Chancellor



Prof. Ambrose Y. C. King has been reappointed pro-vice-chancellor of the University for two years from 11th October 1991.

Dean of the Graduate School



Prof. S. W. Tam has been reappointed dean of the Graduate School for one year from 1st September 1991.

Members of the University Honoured

Three members of the University were on the Queen's Birthday Honours List 1991 issued in June. Prof. the Hon. Wang Gungwu, a member of the University Council, was made a Commander of the Most Excellent Order of the British Empire (CBE). The Hon. Chung Pui Lam, a member of the University Council, and the Hon. Andrew W. F. Wong, lecturer in government and public administration, were made Officers of the Most Excellent Order of the British Empire (OBE).

New Structure for Academic Link Activities

The University reaffirms the policy of continuing to expand academic links with major centres of excellence worldwide. To facilitate such an expansion, a Committee on Academic Links was set up in June 1991 to replace the Senate Committee on International Programmes. The new committee is chaired

by Prof. Ambrose King, the pro-vice-chancellor, who will provide guidance and supervision for the development of the University's academic link activities.

The composition of the committee is as follows:

Chairman: Prof. Ambrose Y. C. King

Members: Prof. S.W. Tam Prof. C.N. Chen

Dr. H.H. Ho Dr. K.H. Lee

Prof. Kenneth Young Prof. H.C. Kuan

Ex-officio Members:

Registrar

Director of the Hong Kong Institute of Asia-Pacific Studies

Director of the Office of International Studies Programmes

Director of the Chinese Language Centre

One to two members to be co-opted by the committee

All members other than the ex-officio members have been appointed from 19th June 1991 to 31st July 1993.

A new Office of Academic Links has also been established with staff redeployed from the University Secretariat and the Office of International Studies Programme, to provide better coordinated and cost-effective administrative support services to various departments involved in the development of academic link activities. The director of the new office is Mr. Mark Sheldon. The two associate directors are Dr. C. B. Luen and Dr. Y.F. Law. Apart from the overall coordination of academic link activities, Dr. Luen also supports China link activities and Dr. Law the international Asian Studies Programme and other international link activities.

Donations to Support the University's Academic Development

* The University recently received some HK\$1,000,000 worth of new computer equipment from Sun Microsystems.

The donation comprises one SPARC server 330, three SPARC station 1 + workstations and two SPARC station SLC workstations, all manufactured



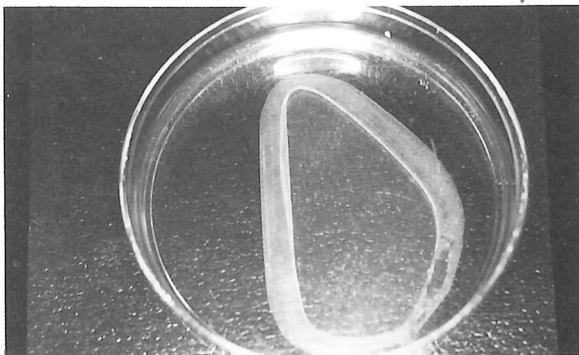
by the Sun Microsystems plant in Mountain View, California. The equipment has been installed at the Open Systems Laboratory in the Department of Computer Science, and is now part of the Chinese University Engineering Computer Network, which can be accessed by workstations and personal computers anywhere in Hong Kong using the UNIX operating system. This donation will be used to study UNIX- based distributed computing environments and related problems.

* The University recently received a donation of HK\$1 million from the local Lions Clubs to conduct research into kidney diseases and disorders of the urinary system.

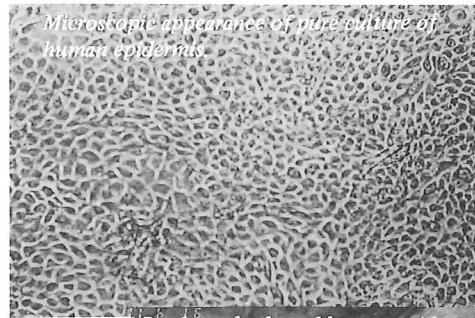
Prof. Arthur K. C. Li, associate dean of the Faculty of Medicine, represented the University to receive the donation on 31st August. The money will be used to set up an endowment fund, and interest income will finance various kidney research projects undertaken by the Department of Medicine and the Department of Surgery. The two departments will study factors leading to the formation of kidney stones, the reasons for kidney diseases in different age groups, and treatment methods.

Major Breakthrough in the Treatment of Burns

After three years of intensive research, the University's Department of Surgery succeeded in



Human epidermal cells successfully cultured.



Microscopic appearance of pure culture of human epidermis.



Patches of cultured human epidermis successfully grafted next to traditional skin grafts.

culturing human epidermis of good quality in sufficient quantity for use in the treatment of severe scalds and burns.

Skin destruction resulting from scalds and burns can be fatal because it can lead to serious infections and the loss of body fluids. When the burned area is small, doctors normally cover it with skin harvested from other parts of the patient's body. But if the burned area is extensive, it has to be covered temporarily by skin from a cadaver, an option not yet available in Hong Kong because of the lack of donors. The Department of Surgery has therefore actively engaged itself in research on cultured human epidermis as a skin substitute.

A few months ago, a patient with burns over 45 per cent of the body surface area was treated in the Prince of Wales Hospital. To stabilize his condition, doctors used fresh pig skin to temporarily cover the wound. In the meantime, cultures of epidermal cells were propagated from small pieces of 'partial-thickness' skin harvested from the patient's body. In about four weeks' time, such sheets of human epidermal cells expanded more than 200 times in size and were then transplanted back to the patient, together with autogenous skin grafts, to cover the wounds permanently. That was the first time the technique had been successfully applied in Hong Kong to treat patients with severe and extensive burns.

The Department of Surgery will continue to direct its research efforts to the making of durable human composite skin grafts consisting of cultured human epidermis and collagen dermis for temporary or permanent coverage of burn wounds.

Professorial Inaugural Lecture

Prof. Patrick Y. D. Wong, professor of physiology, delivered his inaugural lecture on 'The Challenge of Male Contraception' on 31st May 1991.



Prof. Wong described the various new methods and approaches of male contraception, explaining their underlying principles and pointing out the merits and side effects of each. Prof. Wong believes that new technological advancements have made possible in-depth study of human reproduction, and if male contraception is given the priority it deserves, a 'male pill' will very soon emerge.

New Course on Foreign Exchange Practices

The BBA Degree Programme of the Faculty of Business Administration has introduced a new course entitled 'Foreign Exchange Practices'.

Designed by the business faculty in conjunction with government officials and leading experts of foreign exchange in the private sector, the course is the first of its kind in the territory. The main objective is to familiarize fourth-year students concentrating in business administration with the knowledge and techniques of foreign exchange operations, with a special emphasis on the Hong Kong situation.

Those who teach the course have all been involved in course design. They include academics from the Faculty of Business Administration as well as directors, chief executives and managers of local banks and financial companies. Prof. Mun Kin-chok, dean of the Faculty of Business Administration, is the course coordinator.

Course contents include theory of monetary management of the banks in Western countries; the Hong Kong monetary framework; the Hong Kong dollar interbank and paper market; corporate dealing; treasury risk management; financial management; money market; the exchange rate system and the foreign exchange market; exchange rate determination

and forecasting; the spot market and the forward market; and trading games.

Professorial Appointments

The University has appointed the following new professors:

Professor of Accountancy

Prof. Ferdinand Akthar Gul has been appointed professor of accountancy from 19th June 1991.

Prof. Gul received his BA degree from the University of Malaya in 1968, his M. Com. degree from the University of Liverpool, UK in 1975 and his Ph.D. degree from the University of New England, Australia in 1981. Between 1981 and 1990, he held teaching posts in the departments of accountancy in various universities in Australia, Malaysia and New Zealand.

Prof. Gul has acquired professional qualifications in various countries, including Public Accountant in Malaysia, and Certified Practising Accountant and Associate of the Australian Society of Accountants in Australia. He is also a fellow of the Institute of Cost and Management Accountants in the UK.



Professor of Information Engineering

Prof. Omar Wing has been appointed professor of information engineering from 15th July 1991.

After graduating with a BS degree from the University of Tennessee in the USA in 1950, Prof. Wing pursued further studies at the Massachusetts Institute of Technology and obtained an MS degree in 1952. He completed his doctoral studies at Columbia University and was awarded Eng.Sc.D. in 1959. Thereafter he taught in the Department of Electrical engineering of Columbia University for some 30 years and was promoted to professor in 1969.



University Members Serving on External Committees

The following members of the University have been appointed/reappointed by His Excellency the Governor

to serve on various boards and committees:

* Dr. Lo Wing-chun, senior lecturer in international business, has been appointed a member of the Wholesale/Retail and Import/Export Trades Training Board of the Vocational Training Council for two years from 1st April 1991.

* Prof. Chen Char-nie, professor of psychiatry and head of Shaw College, has been appointed a member of the Board of Review – Long Term Prison Sentences for three years from 1st May 1991.

* Mrs. Grace Chow, director of student affairs, has been appointed a member of the Joint Committee on Student Finance for three years from 1st May 1991.

* Dr. Philip Fu, reader in accountancy, has been reappointed a member of the Panel of the Inland Revenue Board of Review for three years from 9th May 1991.

* Prof. P.C. Leung, professor of orthopaedics and traumatology, has been reappointed a member of the Urban Council from 1st June 1991 to 31st March 1995.

* Dr. Fanny M.C. Cheung, senior lecturer in psychology, has been appointed a member of the Regional Council from 1st June 1991 to 31st March 1995.

* Dr. Richard M.W. Ho, lecturer in Chinese language and literature, has been appointed a member of the Regional Council from 1st June 1991 to 31st March 1995. He has also been appointed an adjudicator of the Immigration Tribunal from 1st July 1991 to 28th February 1993.

* Prof. Ho Kam-fai, professor of social work, has been appointed a member of a panel tasked with carrying out section 22 of the Immigration Ordinance for two years from 1st June 1991.

* Prof. S.W. Tam, pro-vice-chancellor and dean of the Graduate School, has been reappointed a member of the Hong Kong Council for Academic Accreditation for one year from 8th June 1991. He has also been appointed to serve on the Council of the Open Learning Institute of Hong Kong for one year from 20th June 1991.

* Dr. Siu Ping-kee, reader in educational psychology, has been appointed a member of the Board of Education for two years from 1st July 1991.

* Prof. Kuan Hsin-chi, professor of government and public administration, has been appointed a member of the Law Reform Commission of Hong Kong for three years.

* Prof. Rance P.L. Lee, professor of sociology, has been reappointed a member of the Release Under Supervision Board for three years from 1st July 1991.

* Prof. Yeung Yue-man, professor of geography, has been appointed a member of the Metro Planning Committee from 18th July 1991 to 31st March 1992.

* Prof. Ho Chi-ping, professor of surgery, has been reappointed a member of the Optometrists Board for two years from 1st August 1991.

* Dr. Leslie N.K. Lo, dean of education, has been appointed a member of the Board of Education from 1st August 1991 to 30th June 1993.

* Prof. Allan M.Z. Chang, professor of obstetrics and gynaecology, has been reappointed a member of the Midwives Board of Hong Kong for three years from 5th September 1991.

1991 Graduates

In the 1990-91 academic year, the University turned out 1,373 Bachelors from its full-time programmes and 111 from its part-time programmes. Of the graduates of the full-time programmes, 271 are from the Faculty of Arts, 292 the Faculty of Business Administration, 107 the Faculty of Medicine, 351 the Faculty of Science, and 352 the Faculty of Social Science. As of those who have completed part-time degree programmes, 35 are from the Business Administration Programme, 36 from the Chinese and English Programme, 11 from the Music Programme, and 29 from the Social Work Programme.

In addition, 386 students completed their post-graduate studies leading to the Diploma in Education. Of these, 121 are from the one-year full-time programme, 137 from the two-year part-time evening programme and 128 from the two-year part-time day programme.

International Conferences

* The Department of Obstetrics and Gynaecology organized a workshop on recent advances in gynaecological surgery on 2nd May 1991.

* The Gender Research Programme of the Hong Kong Institute of Asia-Pacific Studies presented a forum entitled 'The Hong Kong Family in the Nineties – Contradictions and Outlook' on 25th May 1991.

* The Chinese Medicinal Material Research Centre presented an open forum on Chinese medicine on 1st and 8th June 1991.

* The Japan and Asia-Pacific Development Programme of the Hong Kong Institute of Asia-Pacific Studies hosted a conference on 'International Relations in the Asian Pacific Region since 1980' on 25th and 26th June 1991.

* The Southeast Asian Mathematical Society organized a conference on 'Ordered Structures and Algebra for Computer Languages' from 26th to 29th June 1991. The conference was cosponsored by the Hong Kong Mathematical Society and The Chinese University.

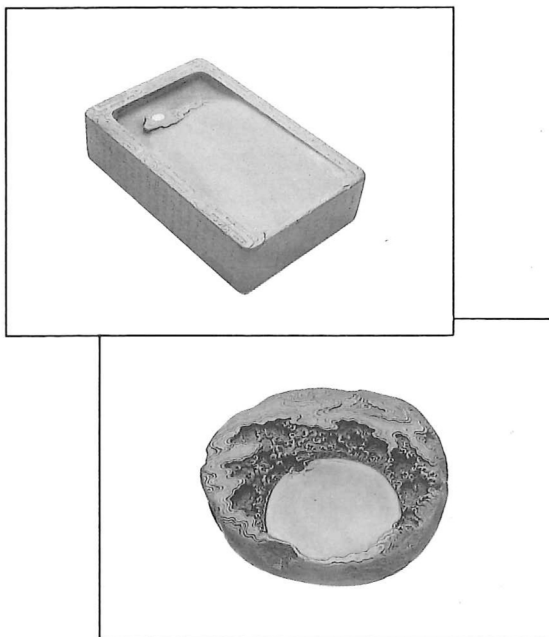
* The Centre for Chinese Archaeology and Art, together with the Zhongshan University in Guangzhou and the Shenzhan Museum, organized an 'International Conference of Prehistory in the South China Sea Area' on 28th and 29th June 1991.

* The University's Department of Sociology and the Hong Kong Institute of Asia-Pacific Studies, and the Japan Association for Urban Sociology jointly organized a seminar on 'Trends in Urban Sociology: Hong Kong and Japan' from 8th to 10th July 1991.

* The Hong Kong Institute of Asia-Pacific Studies held a symposium on 'Industrial Policy in Hong Kong: An Interdisciplinary Study' on 12th and 13th July 1991.

* The Department of Biology and the UNESCO jointly organized a workshop on 'Culture Collection and Breeding of Edible Mushrooms' from 14th to 20th July 1991.

Exhibition of Duan Inkstones



An exhibition of 'The Quintessential Purple Stone: Duan Inkstones through the Ages', jointly pre-

sented by the University's Art Gallery and the Guangdong Provincial Museum, was staged at the west wing of the Art Gallery from 29th June to 8th September. Exhibits included some 120 pieces of Duan inkstones from the Tang to the Qing dynasties collected by the Guangdong Provincial Museum, and other pieces from public and private collections in Guangdong and Hong Kong.

Duan inkstones are made from the Duan stone, which is well-known for its fine, smooth and compact qualities. The seven pieces of pre-Ming inkstones in the exhibition came from archaeological excavations. The other some 100 items are of the Ming and Qing periods. Quite a number of them also carry literary inscriptions, a common characteristics of all objects for the scholar's studio.

College Graduations

Some 1,300 students graduated from the University's four constituent colleges this year, and college graduation ceremonies were held in early June on the campus.

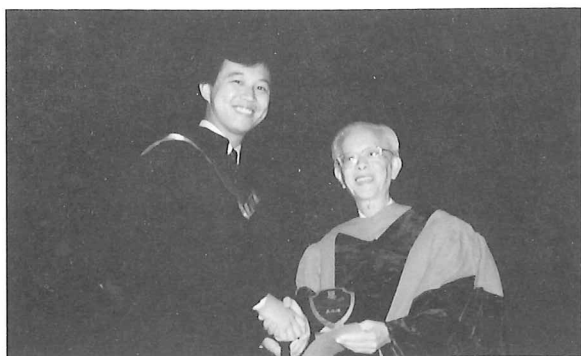
United College



The 1991 graduation ceremony of United College was held on 1st June. Mr. Christopher Wigan, chief executive of Standard Chartered Asia, Ltd., and Mr. Thomas Cheung, chairman of the alumni association of the college, officiated at the ceremony and addressed the graduates. Over 1,000 guests attended the function.

Shaw College

Shaw College turned out its second batch of graduates this year. Officiating at the graduation ceremony on 1st June was Prof. D. C. Lau, senior college tutor, who, together with Prof. C. N. Chen, the college head, and other college fellows, also presented certificates of merit to prize winners.



Chung Chi College



Chung Chi College's 37th valedictory service took place on 2nd June in the college chapel. Dr. John Chen, president of Lingnan College, was the guest speaker. Immediately after the service a tree-planting ceremony was held by the graduates to express their thanks to the college. A tea reception for guests and parents was then organized at the College Staff Club and Chapel Lounge.

New Asia College



The 40th farewell assembly in honour of the 1990-91 graduates of New Asia College was held on 9th June. Prof. Chia-wei Woo, vice-chancellor of the Hong Kong University of Science and Technology, was invited to address the graduates, and Mr. Lee

Kam-chung, chairman of the college's alumni association, congratulated the graduates on behalf of the association. Included in the day's programme were a tree-planting ceremony, the taking of group photos, and refreshments for both guests and students.

Yet Another Victory for CUHK Debaters



The University's Cantonese debating team achieved its second victory in three months in an intervarsity debating contest held between The Chinese University and the University of East Asia on 18th May 1991 at Sintra Square, Macau. Arguing against the motion 'The media should not encourage senseless culture', the CUHK team won by a margin of two to one after an hour of heated debate. Mr. Cheng Kong-chung on the CUHK team was also selected best speaker in the contest.

Obituary



The Hon. Wai Szeto, CBE, D.Sc., LLD, passed away on Wednesday, 24th July 1991 in Paris, France. Dr. Szeto was Architect of the University from 1963 to 1978 and Honorary University Architect from 1978 to 1987.



Mr. Ian Maxwell, former senior executive of the Inter-University Council for Higher Education, passed away in July 1991. Mr. Maxwell was secretary of the two Fulton Commissions – the first one in 1963 which recommended the establishment of The Chinese University and the second one in 1976 which recommended important changes to the constitutional framework of the University.

Profiles



Dr. Stephen Joseph King-Chong Huang

Lecturer in Physiology

Born in Calcutta, India, Dr. Stephen K.C. Huang came to Hong Kong at the age of seven. He attended local schools and graduated from Hong Kong Baptist College in 1984. Upon graduation he served as a teacher and received formal teacher training at the Northcote College of Education. He then went to the UK in 1986 for further studies in biochemistry at the Institute of Science and Technology of the University of Manchester. He returned to Hong Kong in 1987 and received his Ph.D. training in physiology at the University of Hong Kong.

Dr. Huang joined The Chinese University of Hong Kong in 1990 as assistant lecturer in physiology and was promoted to lecturer in 1991.

Dr. Huang's main research interest is the study of ion transport mechanisms in exocrine tissues and reproductive organs.



Dr. Brian W.T. Lo

Lecturer, Department of Mathematics

Dr. Brian W.T. Lo graduated from the University of Hong Kong with a BA degree (First Class Honours) in Mathematics. He spent one year at The Chinese University of Hong Kong as teaching assistant in the Department of Mathematics while enrolled as a graduate student in the M.Phil. programme. He continued his studies in the Department of Pure Mathematics at Brown University, where he received an M.Sc. degree in 1988. He subsequently obtained his doctoral degree from the Pennsylvania State University in 1990. His research interests focus on areas such as the representation theory of infinite dimensional Lie algebras, algebraic structures arising from non-linear integrable equations, quantum groups, as well as supermanifolds and the representation theory of super groups. He joined the University's Department of Mathematics in September 1990.

Apart from teaching and research, Dr. Lo is an enthusiastic violinist who has played in many orchestras, including the orchestras of the various universities he attended, and the Hong Kong Youth Symphony Orchestra. At present Dr. Lo plays with the Hong Kong Chamber Orchestra. He also enjoys playing chamber music with smaller groups of musicians.



Mr. Steven S.Y. Ngai

Lecturer, Department of Social Work

Mr. Steven S.Y. Ngai graduated from the University of Hong Kong with a B.Soc.Sc. degree and obtained his MSW degree from The Chinese University of Hong Kong. Before joining this university, Mr. Ngai worked as an outreaching social worker in the Hong Kong Christian Service.

As a social worker, Mr. Ngai has made important contributions to the development of outreaching social work service in Hong Kong and overseas. In 1989, he was invited by the Singapore Council of Social Service to conduct a training workshop for youth workers and to advise on the setting up of an outreaching social work service in Singapore. Mr. Ngai is currently a co-opted member of the Coordinating Committee of Outreaching Social Work of the Hong Kong Council of Social Service. He also serves on the Education Committee of the Hong Kong Social Workers' Association.

Mr. Ngai's main research interests are social work philosophy, outreaching social work and youth problems. He has completed several research projects, respectively entitled 'Occupational Stress, Social Support and Burn-out Syndrome among Outreaching Social Workers in Hong Kong', 'Stress and Social Support among Young People' and 'Need Study of Temporary Shelter for Youth-at-risk'. The findings of these studies have been published in international journals and the proceedings of conferences. He is now pursuing a research project on 'Ethical Issues in Social Welfare Administration and in Social Work Practice in Hong Kong'.

Mr. Ngan Man-piu, Nelson

Senior Computer Officer II, Computer Services Centre

Mr. Ngan Man-piu, Nelson completed his secondary education in Hong Kong in 1969, and furthered his studies in Canada. In 1974, he obtained a B.Sc. degree with distinction at McGill University, where he continued to live for almost 10 years, working at the university's Computing Centre. There he participated in the development of the multi-user system for interactive computing (MUSIC), a computer system that The Chinese University is currently operating as one of the major systems for academic users.

Mr. Ngan returned to Hong Kong in 1985 and joined the Systems Programming Section of the Computer Services Centre of this university as assistant computer officer, mainly to provide support for the MUSIC. Subsequently, his duties expanded to include the support of various other systems such as VM, RACF and HP-UX. He was promoted to computer officer in July 1987 and appointed as head of the Systems Programming Section in December 1990. He became head of the Computer Operations Section in April 1991 and was promoted to senior computer officer II in July of the same year.

The University Encourages Student Travels



Each year the University provides different types of scholarships and grants to enable students to pursue short-term studies abroad, to take part in cultural exchange programmes, to make educational visits overseas, and to attend international conferences. Recipients of these scholarships have benefited tremendously from such trips. Not only have they made new friends, acquired new experience, and learnt new skills, but through interaction with different cultures, they have also broadened their horizons and enriched their lives.

Through the arrangement of the Scholarships and Financial Aid Section of the Office of Student Affairs, 39 undergraduate students were awarded scholarships to make overseas trips in 1990-91. Five of them who have just returned to Hong Kong talk to the Bulletin about their experience abroad.

Scholarships for Language Studies and Cultural Exchange

<i>Name of Award</i>	<i>Recipient</i>
<i>Canada</i>	
The University of British Columbia 75th Anniversary Visiting Student Award for Hong Kong	Miss Kam Ming-ming (Business Administration; 2nd Year)
<i>Italy</i>	
Italian University for Foreigners at Perugia Scholarship	Miss Cheng Wai-ye (Economics; 4th Year) Mr. Wong Chi-shing (History; 4th Year)
International Workshop at the Università Cattolica in the Milano Scholarships	Miss Liu Wai-ling (Journalism & Communication; 4th Year) Miss Leung Shuk-king (Business Administration; 4th Year) Miss Wong Sze-lai (Business Administration; 4th Year)
School of Italian Language and Cultural Studies at Siena Scholarship	Miss Fu Suk-kuen (Business Administration; 4th Year)

Miss Kam Ming-ming

The year in the University of British Columbia has given me new knowledge and a lot of friends, and has trained me to be more independent. I have also learnt how to deal with people of different cultural backgrounds. For example, it is very commonplace for Westerners to turn down a request from a friend if they have good reasons. In a Chinese society, however sound your reason may be, to refuse a friend's request will usually cause great resentment.

Also different is the lively atmosphere in the classroom: video-tapes and real objects are extensively used in instruction; opinions are expressed freely, and discussions are held in a positive manner. All these are what Hong Kong lacks. However, competition among peers is as intense as here and it is not at all possible to slacken one's efforts.

I believe the correct attitude towards cultural exchange is to seize every opportunity to participate in the foreign culture, and to participate whole-heartedly. Only thus can we fully understand the other culture.



Banca Popolare di
Bergamo Scholarships

Miss Chu Yan-pui
(English; 4th Year)
Miss Szeto Ka-sinn
(English; 4th Year)
Mr. Wu Wing-tai
(English; 4th Year)

Japan

Japanese Governmet
(Monbusho) Scholarship

Miss Cheung Wing
(Chinese; 3rd Year)

JAL Scholarship

Miss Lui Wai-kwun
(Business Admin-
istration; 3rd Year)

University-Recommended
Monbusho Scholarship

Miss Irene Castilho
(Governmnet &
Public Administra-
tion; 3rd Year)

Daiwa Bank Group
Awards

Miss Lam Siu-ling
(History; 3rd Year)
Miss Lau Kwai-fong
(Chinese; 2nd Year)
Miss Lau Yin-yee
(History; 2nd Year)
Miss Lui Lai-fan
(Geography;
2nd Year)

Miss Wong Ching
(Biochemistry;
3rd Year)

Mr. Chen Charles
ChunJunior
(Fine Arts; 3rd Year)

Miss Law Yuk-king
(History, 3rd Year)

Miss Choy Wai-shu
(Business Admin-
istration; 3rd Year)

Miss Yeung Wan-ling
(Business Admin-
istration; 3rd Year)

Miss Mok Kit-yin
(Business Admin-
istration; 3rd Year)

Miss Yuen Choi-wan
(Journalism &
Communication;
2nd Year)

Miss Chan Wing-sze
(Business Admin-
istration; 3rd Year)

Mr. Lee Siu-kwong
(Economics
3rd Year)

Miss Cheng Wai-yee

Before I left for Italy, I had expected that a month's study at the Italian University for Foreigners at Perugia would greatly improve my Italian. Upon arrival, I found that although I was slightly better than other foreign students in grammar, my oral skills were obviously weaker. Therefore I had considerable difficulty in communicating with other people and I took two weeks to adapt. Very soon, a month had passed, and the progress I made was less than what I'd anticipated.

The greatest reward for the trip is knowing a lot of friends from different countries, age groups and social backgrounds. I was most impressed by friends from Africa and the Middle East.

One word of advice to those who plan to pursue the language course at Perugia: arrive early so that you can have sufficient time to find accommodation. The Italian University for Foreigners at Perugia does not provide accommodation for students.



Miss Mok Kit-yin

I made a lot of friends. That's the greatest reward of my trip to Tenri University in Japan.

My visit to Japan consisted of living with a host family for a week, and two weeks of language studies at the university. Formal classroom instruction did not benefit me too much, for the course was too short to cover anything other than the basics, which I already mastered whilst in Hong Kong. But living with a Japanese family for a week gave me ample opportunity to practise and improve my spoken Japanese and to experience first-hand what Japanese culture is really like. I also had the chance to verify what I learnt from The Chinese University about Japanese society and cultural history. My only regret is that the trip was too short.

I believe those who have the chance to make similar visits to Japan should brush up on their Japanese first and read more about Japanese culture. That will make their trip that much more interesting and rewarding.



Tokai Bank Ltd. Conference Award

U.K.

Commonwealth Youth Exchange Programme Award

Miss Cheung Wing-fan
(Business Administration; 3rd Year)

Miss Choi Yuk-kwan
(Anthropology; 3rd Year)

Miss Kwok Kwai-ye
(Government & Public Administration; 3rd Year)

Miss Lee Man-ki
(Business Administration; 3rd Year)

Miss Ho Sze-mun
(Business Administration; 2nd Year)

Miss Chu Shun-chi
(Journalism & Communication; 2nd Year)

**Scholarships to sponsor
Medical Clerkship Overseas**

Australia

S.K. Yee Medical Foundation Scholarship

Mr. Chan Lik-yuen
(Medicine, 4th Year)

Cheng Chek Chi Memorial Scholarship

Miss Lee Fung-ye
(Medicine, 4th Year)

Canada

S. K. Yee Medical Foundation Scholarship

Mr. Lo Wing-ip
(Medicine, 4th Year)

India

S. K. Yee Medical Foundation Scholarship

Mr. Leung Wah-shing
(Medicine, 4th Year)

Taiwan

Kwok Ching Tong Scholarship

Miss Chu Wai-po
(Medicine, 4th Year)

U.K.

Hung On To Memorial Scholarship

Mr. Leung Ting-fai
(Medicine, 4th Year)

Miss Chu Shun Chi

The Youth Exchange Programme this year was arranged by the South Glamorgan Council in Wales and the visits were mainly centred in Cardiff. We toured the major scenic spots there and visited different government departments, social organizations and schools. I also spent the weekends with a local family.

The three-week programme was closely packed but I never felt that I was rushed from here to there. Through the series of visits I have enriched my knowledge of social affairs in Britain and the educational system there. I also began to be aware of the particulars of their everyday life and was attracted by their leisurely life style.

In the past I always had the impression that university life in countries like the UK and the USA is very easy. After this trip, I have learnt more about the harsher realities of studying in the UK.



Mr. Leung Wah-shing

Why did I choose India and not countries like the UK or Australia to undertake my medical clerkship? It is because I eagerly wanted to understand the state of medical services in developing countries and how missionary doctors work in India.

The four weeks of study was a most worthwhile experience. I got to know the medical facilities and the range of services available in India, as well as the types of diseases rampant in the country. During the training period, I also had the chance to work with local medical staff in villages, healing patients and teaching the villagers about hygiene and nutrition. Besides medical knowledge, I gained social work experience and a deeper awareness of the life and living conditions in developing countries. I befriended many local doctors and a lot of voluntary workers from all over the world.



Gifts and Donations

The University has recently received from local and overseas individuals and foundations the following gifts and donations in support of its programmes and projects:

- (1) From Mr. Thomas T.T. Chen HK\$10,000,000 towards the cancer project fund of the Faculty of Medicine.
- (2) From Hong Kong Institute of Personnel Management an annual donation of HK\$3,500 to provide a scholarship for a fourth-year student concentrating in organization and management.
- (3) From the Incorporated Trustees of Hsin Chong – K.N. Godfrey Yeh Education Fund:
 - (a) HK\$35,000 to provide 10 bursaries of \$3,500 each for needy students;
 - (b) HK\$50,000 to set up a student campus work scheme in 1991-92.
- (4) From the Incorporated Trustees of the Wah Kiu Yat Po Fund for the Relief of Underprivileged Children an annual donation of HK\$8,300 to provide a scholarship for an M.Phil. student in communication.
- (5) From the Italian University for Foreigners at Perugia Lit 1,200,000 to provide two scholarships for students to pursue short-term studies at the Italian University for Foreigners at Perugia in the summer of 1991.
- (6) From Mobil Oil Hong Kong Ltd. HK\$15,000 to provide a scholarship for a third-year student of the Faculty of Business Administration in 1990-91.
- (7) From Mrs. Polly Or HK\$2,400 to provide a scholarship for a student of the Department of Journalism and Communication in 1990-91.
- (8) From Dr. Francis K. Pan HK\$10,000 to provide a scholarship for a graduate student in 1990-91.
- (9) From Providence Foundation Ltd. HK\$150,000 to provide 10 scholarships of \$15,000 each for first-year students of the Two-year MBA Programme in 1991-92.
- (10) From Radio Association of Hong Kong an annual donation of HK\$4,000 to provide a scholarship for a student majoring in electronic engineering.
- (11) From Rho Psi Foundation, Inc. US\$1,200 to provide four scholarships in 1990-91.
- (12) From Soma International Ltd. HK\$20,000 to provide a number of loans for needy students in 1990-91.
- (13) From Taiwan Ladies Association HK\$10,000 to provide two bursaries of \$5,000 each for students in 1990-91.
- (14) From Università Cattolica in Italy Lit 3,900,000 to provide three scholarships of Lit 1,300,000 each for students to attend an international workshop in the Università Cattolica in Italy in the summer of 1991.
- (15) From Arthur Andersen & Co. HK\$7,000 for the publication of *A Summary Report on the Employment Survey of 1990 Graduates* by the Office of Student Affairs.
- (16) From Ares-Seronon (Services) Pte Ltd. HK\$10,000 for a research project undertaken by the Department of Obstetrics and Gynaecology.
- (17) From Bayer China Co. Ltd. HK\$140,000 to the Department of Medicine for research and educational purposes.
- (18) From Beecham Laboratories (Pte) Ltd. a further donation of HK\$40,000 for a clinical trial undertaken by the Department of Surgery.
- (19) From Carmel Alison Lam Foundation Secondary School HK\$17,000 for the nasopharyngeal cancer research project jointly undertaken by the Department of Surgery and the Department of Clinical Oncology.
- (20) From Cilag Asia Pacific Regional Office HK\$26,000 for a clinical trial undertaken by the Department of Obstetrics and Gynaecology.
- (21) From the Hong Kong Society of Digestive Endoscopy Ltd. HK\$266,000 for GI research undertaken by the Department of Medicine.

- (22) From Kodak (Far East) Ltd. HK\$68,000 for a project on Cantonese opera undertaken by Dr. Chan Sau-yan of the Department of Music.
- (23) From Kraft General Foods (Asia-Pacific) Ltd. HK\$24,500 for a research programme on natural colour conducted by Prof. Yan Bingzong from Tianjin Teachers University during his visit in the Department of Biology.
- (24) From Medical Research Council HK\$3,870 to the Department of Community and Family Medicine for research activities.
- (25) From Nutricia Foundation donations totalling HK\$95,500 to the Department of Community and Family Medicine for research activities.
- (26) From Merck Sharp & Dohme (Asia) Ltd.:
- (a) HK\$780,000 for a research project undertaken by the Department of Medicine; and
 - (b) HK\$6,026 to the Department of Chemical Pathology for research activities.
- (27) From Novo Nordisk A/s donations totalling HK\$79,021 for a joint trial undertaken by the Department of Medicine.
- (28) From Nutricia Export B.V. HK\$53,352 for a research project undertaken by the Department of Surgery.
- (29) From Nutricia (Asia) Ltd. HK\$120,000 for a research project undertaken by the Department of Community and Family Medicine.
- (30) From Otsuka Pharmaceutical Co. Ltd.:
- (a) HK\$185,000 for a research project undertaken by the Department of Surgery; and
 - (b) HK\$5,000 to the Department of Clinical Pharmacology for research activities.
- (31) From Pfizer Corporation HK\$15,000 for a research project undertaken by the Department of Obstetrics and Gynaecology.
- (32) From the Recreation and Culture Branch of the Government Secretariat HK\$200,000 for an archaeological project undertaken by the Institute of Chinese Studies.
- (33) From Trans Bussan HK Ltd. HK\$25,000 for a clinical study undertaken by the Department of Orthopaedics and Traumatology.
- (34) From the University of Alberta, Canada Can\$10,000 for a research project undertaken by the Multi-discipline Laboratories of the Faculty of Medicine.
- (35) From Visiray Pty Limited HK\$100,000 to the Department of Surgery for educational and research activities.
- (36) From Allen & Hanburys:
- (a) HK\$3,000 for a meeting of family medicine tutors organized by the Department of Community and Family Medicine; and
 - (b) HK\$29,495 to sponsor a staff member of the Department of Surgery to attend a conference in Glasgow, UK.
- (37) From Armedic Far East Ltd. HK\$21,000 to sponsor a staff member of the Department of Medicine to attend a conference in Washington DC, USA.
- (38) From Farmitalia Carlo Erba (HK) Ltd.:
- (a) HK\$35,000 to sponsor a staff member of the Department of Medicine to attend a conference in Washington DC, USA; and
 - (b) HK\$25,000 to sponsor a staff member of the Department of Clinical Oncology to attend a scientific meeting in Houston, Texas, USA.
- (39) From Bristol-Myers (HK) Ltd. HK\$20,000 to sponsor a staff member of the Department of Clinical Oncology to attend a scientific meeting in Houston, Texas, USA.
- (40) From The Asia Foundation US\$5,000 for a symposium organized by the Department of Journalism and Communication.
- (41) From Astra Pharmaceuticals Sweden:
- (a) HK\$40,000 to sponsor two staff members of the Department of Medicine to attend a conference in Anaheim, California, USA; and
 - (b) HK\$15,000 to sponsor a staff member of the Department of Surgery to attend a symposium in Bangkok, Thailand.
- (42) From Besins Iscovesco Paris HK\$4,120 to sponsor a staff member of the Department of Obstetrics and Gynaecology to attend a congress in Bangkok, Thailand.
- (43) From Brand's Essence of Chicken (Cerebos) HK\$10,000 to sponsor the Post-secondary Debate 1991 finals.
- (44) From Burroughs Wellcome & Co. (HK) Ltd.:
- (a) HK\$10,000 for an intensive course on the cornea organized by the Department of Surgery; and
 - (b) HK\$12,000 to sponsor a staff member of the Department of Medicine to attend a meeting in Nagoya, Japan.
- (45) From Mr. Chan Pak Keung HK\$35,200 to purchase books for distribution to doctors in

China by the Department of Medicine.

- (46) From Chou's Foundation HK\$20,000 to set up a student campus work scheme in 1990-91.
- (47) From Mr. Fan Che On HK\$20,000 to sponsor activities in celebration of the 25th anniversary of the Department of Journalism and Communication.
- (48) From Glaxo Hong Kong Ltd.:
- (a) HK\$60,000 to sponsor two staff members of the Department of Surgery to attend a congress in Sydney, Australia;
 - (b) HK\$57,726 to sponsor a staff member of the Department of Surgery to attend a conference in Atlanta, Georgia, USA; and
 - (c) HK\$30,000 to sponsor a staff member of the Department of Paediatrics to attend a scientific meeting in Portugal.
- (49) From Hoechst China Ltd. HK\$40,000 to sponsor two staff members of the Department of Obstetrics and Gynaecology to attend a congress in Paris, France.
- (50) From Hong Kong Student Travel Ltd. and Hong Kong Overseas Studies Centre an annual donation of HK\$10,000 for members of the CUHK Student Union Executive Committee to participate in international conferences, training programmes/camps and exchange programmes overseas, and to visit overseas universities.
- (51) From Howmedica International HK\$27,871 to sponsor a staff member of the Department of Orthopaedics and Traumatology to attend a training course in Couchevel, France.
- (52) From ICI (China) Ltd. HK\$6,000 for the weekly cardiac seminars organized by the Department of Medicine.
- (53) From Dr. David S.H. Leong HK\$50,000 for the training of Chinese eye doctors at the Department of Surgery.
- (54) From Ming Yu Foundation HK\$234,000 to New Asia College.
- (55) From the organizing committee of the Tokyo PAF Symposium ¥120,000 to sponsor a staff member of the Department of Medicine to attend a symposium on allergic respiratory and cardiovascular diseases in Tokyo, Japan.
- (56) From Oriental Daily News Charitable Fund Association HK\$2,050 for the Renal Unit of the Department of Medicine.
- (57) From Pharmacia Far East Ltd. HK\$30,000 for the Journal Club and the biweekly clinical meeting for 1991 organized by the Eye Unit of the Department of Surgery.
- (58) From Roche Asian Research Foundation:
- (a) HK\$3,000 for the monthly seminars and clinical trials organized by the Centre for Clinical Trials and Epidemiological Research; and
 - (b) HK\$4,000 to sponsor a staff member of the Department of Anaesthesia and Intensive Care to attend a scientific meeting in Sydney, Australia.
- (59) From Sandoz Pharmaceuticals to the Department of Medicine:
- (a) HK\$17,000 to sponsor a staff member to attend a scientific meeting in Seattle, Washington, USA; and
 - (b) HK\$9,326 to sponsor a staff member to attend a congress in New Orleans, USA.
- (60) From Shell Hong Kong Ltd. HK\$35,400 to sponsor six students to participate in an outward bound diploma course.
- (61) From UWS Insurance Co. Ltd. HK\$30,000 for the Japan and Asia-Pacific Development Programme of the Hong Kong Institute of Asia-Pacific Studies.
- (62) From various donors HK\$1,553,870.45 and US\$60 towards the Children's Cancer Fund of the Department of Paediatrics.
- (63) From various donors HK\$543,775.20 towards the Hong Kong Paediatric Bone Marrow Transplant Fund of the Department of Paediatrics.
- (64) From various donors donations and gifts totalling HK\$1,148,405.80 to Chung Chi College.
- (65) From Mr. Wilson T.S. Wang HK\$900,000 towards the Wilson T.S. Wang Conference Fund of the Department of Surgery.
- (66) From Mr. Wong Bing Lai HK\$500,000 for the nursing degree programme of the Faculty of Medicine.
- (67) From Ms. 王錦全 HK\$3,000 to the University Library for the acquisition of books.
- (68) From Wyeth (HK) Limited HK\$15,000 to sponsor a postgraduate student of the Department of Paediatrics to receive training in the UK about calcium nutrition in children.
- (69) From Epson Hong Kong Ltd. an Epson L3s laptop computer for a research project undertaken by Dr. Stephen L.W. Tang of the Department of Sociology.
- (70) From Mrs. Sharon Bond 13 books to the reading room of Shaw College.

