

The cover of the Chinese University Bulletin features a vibrant photograph of a stone wall with several columns. The wall is heavily adorned with bright red bougainvillea flowers, which are in full bloom. The background is a clear, bright blue sky. The overall scene is lush and colorful, suggesting a warm, sunny day.

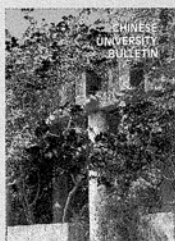
CHINESE UNIVERSITY BULLETIN

Autumn • Winter 1994



Chinese University Bulletin

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Introducing the Research Institute for the Humanities

 Chou Ying-hsiung

An Institute with a Rich Heritage

In a fast-changing world such as ours, amidst unprecedented technological and social developments, it is essential to find out where we stand in relation to the past and future. It is also imperative to ascertain how we are related to other people as well as to the world as a whole. Humanities studies, as the name itself suggests, are aimed precisely at raising these compelling questions and trying to answer them from various perspectives —

historical, philosophical, linguistic-literary, aesthetic, religious.

Being uniquely located at an intersection, as it is, of the traditional and modern as well as the Chinese and the Western, The Chinese University of Hong Kong has a tradition of encouraging cultural and transcultural education and research.

As a matter of fact, the early history of the University is closely related to such world famous scholars in Chinese literature, history and philosophy as Ch'ien Mu, Tang Chun-i, Chou Fa-kao, Yen Ken-wang, Mo Tsung-san, and Chuan Han-sheng. To keep up with the tradition as well as to meet the needs of recent research patterns, the University's Faculty of Arts founded the Research Institute for the Humanities in 1991. The institute aims at initiating and supporting collaborative and interdisciplinary research, coordinating strategic research, promoting publications, organizing conferences, and establishing linkages with overseas institutions.



Four Major Programmes

Currently some 30 researchers from different academic units are involved in four specific programmes launched by the institute.

With Prof. Liu Shu-hsien as its director, the **Comparative Studies of Cultural Traditions Programme** has attracted no fewer than 18 participants from the departments of English, Chinese, history, philosophy, and translation. Over the last three years the programme has held regular monthly meetings to discuss modernity and Chinese modernization as well as traditionality and modernization. The discussions, in particularly those on conceptual framework and research methodologies, have been most stimulating and productive. As an outgrowth of such meetings, an essay collection, *Modernity and Pluralism*, has been put together for publication in 1994.

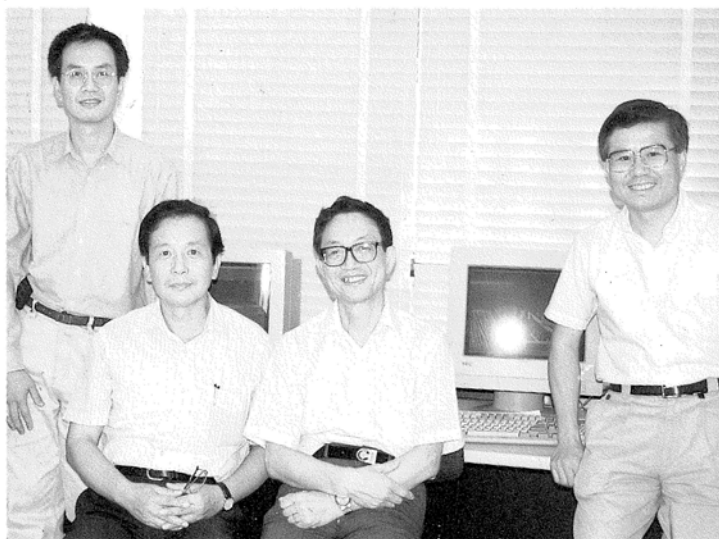
Dr. Ho Hsiu-hwang is in charge of the **Human Cognition: Interdisciplinary and Comparative Studies Programme**. Three participants from the departments of English, philosophy and anthropology

have spent the past three years working on modalities in the Chinese language, language changes and shift of the cognition frameworks, interface of components in the Chinese language, and the psychological reality of the count/mass. Apart from six conference papers, the programme has generated a considerable database of lexical items in Taiwan, Hong Kong, and China. Ten volumes of research findings have been desk-published, and are available for purchase.

Dr. J.K.K. Tam has recently succeeded Dr. John J. Deeney as the director of the **Comparative Literature Programme**, and six researchers from the departments of English, Chinese, and translation, plus one project investigator have devoted much time and effort on five research projects: the Hong Kong Literary Scene, Poets of the Pacific Rim, Between Aesthetics and History, Western Impact and Cultural Change, and Classical Literary Terminology. Apart from occasional meetings, the project on terminology has held workshops in both Hong Kong and Beijing, with participants from Taiwan, Hong Kong and China. Numerous articles have also been published, and an anthology of Hong Kong poets in English will soon be published.

The **Human Computing and Methodology Programme** focusses on four areas of research: computational linguistics, an electronic dictionary

The four programme directors (from left): Dr. Kwan Tse Wan, Dr. Ho Hsiu-hwang, Prof. Liu Shu-hsien and Dr. J.K.K. Tam



of Chinese pronunciation, Internet and CD-ROM services, and humanities methodology. Established in 1993-94, the programme has been instrumental in building up the networking capabilities of the microcomputer laboratory in the Faculty of Arts. Together with other facilities, the laboratory provides researchers with easy access to various network centres in the world and their databases. Dr. Kwan Tse Wan is the director of this programme.

A HK\$3 million Research Project on Hong Kong Cultural Studies

The four regular programmes are basically financed by private funds, but colleagues from the institute have also joined hands with researchers from other local tertiary institutions and occupational sectors to launch a new programme on the cultural formations of Hong Kong in the fifties and sixties. Initial emphasis will be placed on Hong Kong literary productions, leftist films, Chinese literary history and its teaching, teaching of English literature, and civic culture and political discourses. The HK\$3 million project is funded by the UPGC, and working meetings are regularly held. Included in the first-year plan are regular colloquia, a seminar/conference in the summer of 1995 with a workshop for interested postgraduate students, and, tentatively, the publication of eight volumes of the programme's research output in 1994-95.

Research Institute for the Humanities

Management Board

- To manage the institute
- To design development plans
- To vet research proposals

Composition

Chairman: Dr. Ho Hsiu-hwang
Dean of Arts
Members: Prof. Liu Shu-hsien (Philosophy)
Director of the Institute
 Dr. Chou Ying-hsiung (English)
Associate Director of the Institute
 Mr. Dang Shu-leung (Chinese Language and Literature)
 Dr. Serena Jin (Translation)
 Prof. Mayching Kao (Fine Arts)
 Prof. D.C. Lau (Institute of Chinese Studies)
 Dr. Daniel P.L. Law (Music)
 Dr. Ng Lun Ngai-ha (History)
 Dr. Philip Shen (Religion)

Executive Committee

- To supervise day-to-day operation

Composition

Director
 Associate Director
 Programme Directors

Faculty Office of Arts

- To provide administrative support

Three Major Conferences

Three important conferences were also organized by the institute between 1992 and 1994, which laid the foundation for academic collaboration and exchange at the international level.

International Conference on Cultural Criticism 1993 (27th December 1992–10th January 1993)

The two-week conference drew together 40 overseas participants and 70 local scholars. Its general theme was public spheres and public cultures, and major topics were culture, modernity and democracy in comparative perspectives; cross-cultural negotiations; images and boundaries; cultural criticism and the public sphere; modernity, identity and cultural ambivalence; and politics of cultural criticism.

Overseas participants included such famous names as Charles Taylor, Richard Rorty, Virginia Dominguez, Vincent Crapanzano, Jane Kramer, Leo Ou-fan Lee, Benjamin Lee, Helen Siu, Susan



Buck-Morss, Boris Mikhailov, Mayfair Yang, Chen Kuang-hsing, Chin Hen-wei, Fu Dai-wei, Josephine Ho, Hsia Chu-joe, Liao Ping-hui, Ning Ying-bin, Zheng Wan-long, and Liu Suo-la. An international network of practitioners in cultural criticism has since been established and subsequent meetings held in Honolulu to facilitate information exchange and to enhance collaboration in this new branch of humanities studies. A number of publication projects have also been planned in the USA, Taiwan, and Hong Kong.

Conference on Prospects of a Cultural China: Theory and Practice (10th–12th March 1993)

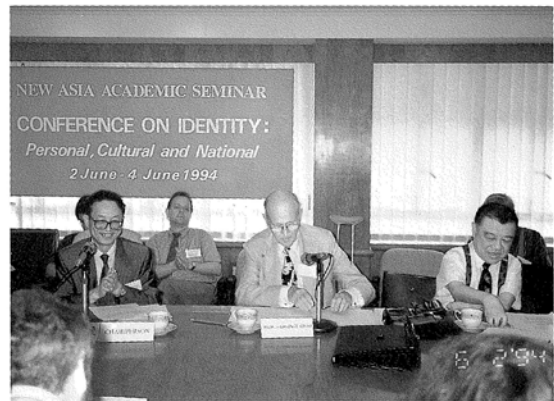
Co-sponsored by the University's Department of Anthropology, the conference comprised six panels and five workshops, which explored how traditionality interfaces with modernity, and how China and the West interact with each other in the context of a universal but practicable concept of Cultural China in this transnationalist age.



Notable scholars from various disciplines of the humanities and social sciences were invited to the conference. They included Wang Gung-wu, Chang Ching-yu, Li Shen-chi, Chen Kong-li, Li Yih-yuan, Liu Mong-xi, Yuan Sung-hsi, Chang Yu-fa, Chen Hsiao-lin, Chen Zi-shan, Huang Pi-tuan, Jiang Yi-hua, Jiang Po-qin, Wang Shou-chang, Yeh Chicheng, Shen Ch'ing-sung, Huang Chin-hsing, Jin Guan-tao, Ts'ai Yuan-huang, and Chen Chung-hsin. A 400-page essay collection was subsequently published in July 1994.

Conference on Identity: Personal, Cultural and National (2nd–4th June 1994)

The function was co-organized by the National Humanities Center, North Carolina, and sponsored by New Asia College and Chiang



Ching-kuo Foundation for International Scholarly Exchange. It featured seven overseas participants from the National Humanities Center and an approximately equal number of paper presenters from Hong Kong, plus four workshops conducted by scholars from Hong Kong and Taiwan. Various case studies on identity were presented, i.e. those on Ancient Greece, Old Regime France and contemporary Germany, South Africa, the Balkans, and China. Special reference was made to the issues of ethnicity, fictive and cultural identities, gender identities, identity forming mechanisms and the very concept of monolithic identity itself. An essay collection in English is being prepared by the National Humanities Center, while the feasibility of a Chinese version is also being explored in Hong Kong.

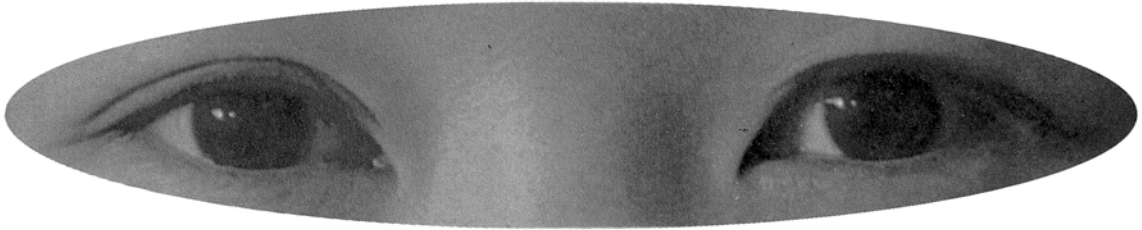
Publications and Computer Support

Other than supervising major research programmes and organizing international conferences, the institute plans to launch two publication series, one on tradition and modernity with Liu Shu-hsien, Yu Ying-shih, and Hsu Choyun as potential authors, and one on Hong Kong and the World, which will carry publications of strategic importance by members of the Arts Faculty.

In all its endeavours the institute is supported by the Arts Faculty's microcomputer laboratory, which is set up in a Local Area Network environment with a number of workstations and a wide range of application software. Efforts are being made to set up an FDDI-based Internet to provide researchers in the institute with full access to relevant databases overseas.

The Research Centre for the Humanities looks forward to an even more vigorous programme in 1995. □

Helping You See Better



The New Department of Ophthalmology & Visual Sciences

The Eye Receiving More Attention

In many places, blindness ranks among cancer and AIDS as one of the most feared diseases. And over the last 20 years, the branch of medicine that deals with the diagnosis and treatment of eye diseases has developed into a major speciality known as ophthalmology. Many factors have contributed to this rapid development: an aging world population with increased visual impairment problems, the onset of an information age characterized by audio-visual communication, and the development of high technology such as laser treatment, microsurgery, and ultrasonography.

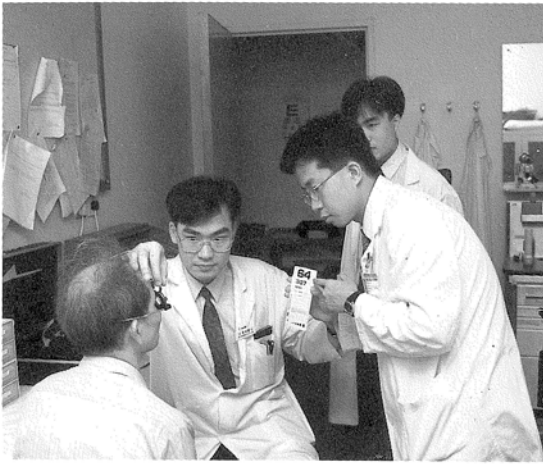
A Unique Department in Hong Kong

The development of ophthalmology in Hong Kong has been slow. Ten years ago in The Chinese University, the Department of Surgery first recognized the need to develop ophthalmology into a speciality and recruited an expert from the United States to teach the subject. Ophthalmology thus became a subspeciality of the department. In the last five

years, several other events led to its further consolidation. The Hospital Authority finally recognized the great shortage of ophthalmologists in Hong Kong (the ratio of ophthalmologists to population being 1:75,000) and decided to build a new Hong Kong Eye Hospital in Argyle Street to train more eye doctors. The University and Polytechnic Grants Committee also agreed to establish a separate department of ophthalmology at The Chinese University to improve the teaching of ophthalmology to local medical students.

The 20th and Youngest Department of the Faculty of Medicine

A new Department of Ophthalmology and Visual Sciences was formally established in summer 1993, and a vigorous international search for the chair of the department began. Among five internationally renowned eye specialists from Great Britain, Australia, the United States, and Hong Kong, Prof. Mark O.M. Tso from Chicago, Illinois, was chosen to head the new department. He arrived in Hong Kong



on 1st March 1994 to assume duties.

The department is tasked with three main duties. First, it is mandated to train 300 CUHK and HKU medical students in primary eye care every year, to train eye specialists for the Hospital Authority, and to provide community education programmes aimed at the prevention of eye diseases. In the second place, the department will help to raise the standard of eye care not only by producing more specialists, but also by providing specific training in sub-specializations such as neuro-ophthalmology,

traumatology and reconstructive surgery. In terms of research, projects will be undertaken with an interdisciplinary approach involving the participation of pharmacologists, pathologists, biochemists and molecular biologists.

Three Clinical Teams, One Each for Hong Kong, Kowloon, and the New Territories

The department consists of three clinical teams, one located at the Hong Kong Eye Hospital in Kowloon, one at the Prince of Wales Hospital in the New Territories, and one at Queen Mary Hospital on Hong Kong Island.

On 1st July 1994, Prof. Tso assumed the concurrent post of Chief of Service of the Hong Kong Eye Hospital in Argyle Street, which is the centre of eye service for the Kowloon region, supported by clinics at Queen Elizabeth Hospital, Kowloon Hospital, Buddhist Hospital, East Kowloon Clinic, Pamela Youde Clinic and Kwong Wah Hospital.

At the Prince of Wales Hospital, the Department of Ophthalmology and Visual Sciences has been formally separated from the Department of Surgery and become an

The Hong Kong Eye Hospital



Teachers of the Department

Prof. Mark O.M. Tso, department head



Laboratory. He has spent over 30 years on research in ophthalmic pathology, ocular oncology, and retinal diseases.

Prof. Ernst Goldschmidt, professor

Prof. Goldschmidt was formerly professor of ophthalmology at Odense University, Copenhagen. He has a distinguished career in clinical medicine and research. Appointed professor of ophthalmology by the University of Hong Kong in 1992, he has been seconded to The Chinese University since early 1994. His major research interest is in the pathogenesis of myopia.



Dr. Dennis Lam, lecturer

A graduate of the University of Hong Kong, Dr. Dennis Lam received specialist training in ophthalmology in the United Kingdom and the



United States. His areas of special expertise are cataract and refractive surgery, corneal transplant, ptosis operation, and laser treatment for various eye conditions. He is actively involved in myopia research. Dr.

Lam was recently selected one of the 'Ten Outstanding Young Persons of 1994 of Hong Kong'.

Dr. John J. Michon, lecturer

Dr. Michon took his MD from the University of Illinois College of Medicine at Chicago. Before coming to Hong Kong, he served at the Wilmer Ophthalmological Institute of the



Johns Hopkins Hospital at Baltimore, and the Doheny Eye Institute of the University of Southern California School of Medicine at Los Angeles. Dr. Michon has special interest in reconstructive surgery, neuro-ophthalmology and diabetic eye diseases.

Dr. Chanet Suvarnamani, lecturer

Dr. Suvarnamani graduated from the Mahidol University School of Medicine in Bangkok, Thailand. He received training in eye oncology and oculoplastics at the Wills Eye Hospital, and in vitreoretinal surgery at the Temple Hospital in Philadelphia. He also completed a research fellowship in ophthalmic pathology from Duke University in Durham, North Carolina.



Prof. Guy Chan, visiting scholar

Prof. Chan was former chairman of the Department of Ophthalmology at Temple



University Medical School, Philadelphia. His major interest is ophthalmic education for medical students and physicians in training for ophthalmology. His specialities include cataract and

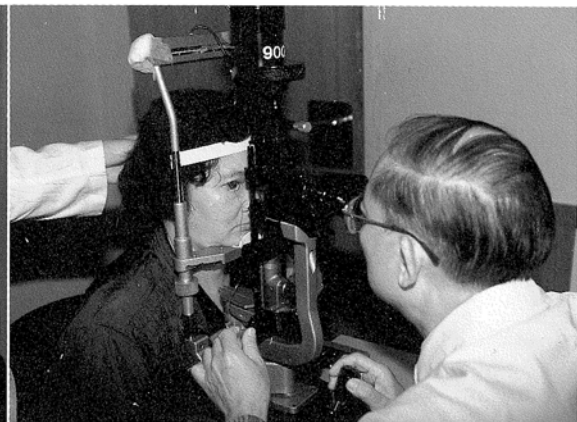
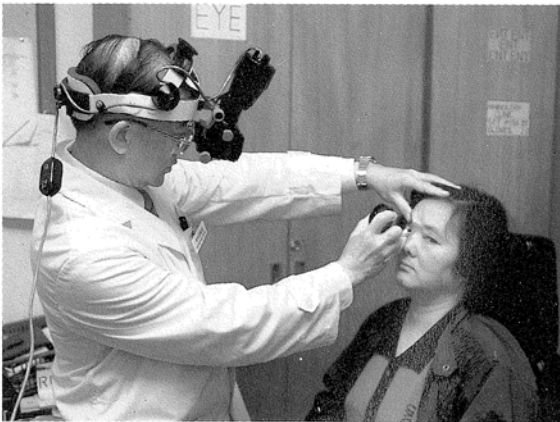
intraocular lens implantation, corneal transplant, glaucoma surgery, paediatric and adult strabismus problems.

Prof. Wen-ji Wang, visiting scholar

Prof. Wang graduated from Shanghai Medical College (now renamed Shanghai Medical University) and pursued studies in eye pathology and vitreoretinal

diseases in the Massachusetts Eye and Ear Infirmary and the Retina Association in Boston, USA. She was also a visiting scholar at the Moorfields Eye Hospital in London, UK. Before joining this university, she was professor and director of the Ophthalmology Department at the Eye and ENT Hospital of the Shanghai Medical University.





independent entity. As the major eye referral centre for the New Territories, the department is located on the seventh floor of the old Nursing Quarters of the Prince of Wales Hospital.

Another independent eye clinic has also been established at Queen Mary Hospital. The team there has started in-patient consultations, accepting referrals from the casualty ward, and providing traumatology services for the western half of Hong Kong Island.

As the three sub-units of the new department are located in different parts of the territory, an intricate communication system has been designed to facilitate speedy and effective exchange of information. Faculty and staff can communicate by telephone, fax, or E-mail.

Four Types of Educational Programmes

The new department attempts to offer educational programmes at four levels.

First, a new and revised curriculum on primary eye care has been proposed for medical students of both universities. Medical students will not only have the opportunity to treat eye patients and watch eye operations first hand, but will also be using new high-tech video learning aid to increase their understanding of primary eye care.

Secondly, the department will review courses for primary eye care physicians in the territory so that they can improve ophthalmic care for the local community.

The department will also develop a com-

prehensive training programme for government medical officers in training.

Lastly, the department will develop public educational programmes so that the general public will learn more about preventive eye care.

Research Activities in the Pipeline

The UPGC has agreed to fund an additional floor at the Hong Kong Eye Hospital to house the research laboratories of the new department. The project will be completed in two stages and cost HK\$17.8 million. Construction work began on 29th July 1994 and will be completed by mid-April 1995.

In the meantime much effort is being spent on research planning. Groundwork is being laid for five research laboratories to be built: the ophthalmic biochemistry laboratory, the ophthalmic molecular biology laboratory, the ophthalmic pathology laboratory, the clinical and epidemic research laboratory, and the ophthalmic education laboratory. Equipment for each laboratory is being planned and budgeted and space allocation being arranged. As the eye is a highly specialized organ with great sensitivity, intensive research into its biochemistry, molecular biology, pathology, and electrophysiology is necessary to advance the understanding of eye diseases. The Department of Ophthalmology and Visual Sciences hopes to attract scientists with special expertise and interest in the field to Hong Kong to conduct interdisciplinary and collaborative research once the laboratories are ready for use. □

Research Newsboard

HK\$50 Million from the RGC for 91 Research Projects

Ninety-one research proposals submitted by academic and research staff of this university have succeeded in obtaining earmarked grants totalling HK\$49,947,000 from the Research Grants Council (RGC) this year. Last year's figures were 57 projects and HK\$29,614,000.

For 1994-95 the government has made available a total of \$260 million to seven UPGC-funded local tertiary institutions for research proposes: \$57.6 million for direct allocation to the institutions to finance small projects; \$9.4 million for central allocation to strengthen the research base of these institutions; and \$192.8 million for 371 selected research proposals submitted by the academic and research personnel in the seven institutions.

A research project to create a computerized database of the entire body of extant traditional Chinese texts of the Wei-Jin and the Northern and Southern dynasties proposed by Prof. D.C. Lau and Dr. F.C. Chen of the University's Institute of Chinese Studies has been granted \$2.1 million, the highest allocation figure this year for a single project.

The 91 CUHK proposals fall into nine different areas: administrative, business and social studies (17); arts and languages (4); biological sciences (11); computer science, information technology and mathematics (17); education (2); electrical and electronic engineering (10); medicine (13); physical sciences (12); and pure mathematics (5).

Six CU Research Projects Rated Excellent

The Research Grants Council (RGC) completed in June 1994 its first-round assessment of research projects launched by local tertiary institutions and financed by the council's earmarked grants.

Reports of 74 completed projects had been submitted to RGC panel members and reviewers for assessment earlier this year, and 30 of them received ratings in June. Nine projects were rated as 'excellent' and among them six were CUHK projects. The remaining three came from HKU, Hong Kong Polytechnic and Baptist College.

The six outstanding CUHK projects are

Project Title	Principal Investigators
1. A computerized database of the entire body of extant Han and pre-Han traditional Chinese texts	Prof. D.C. Lau Dr. F.C. Chen
2. Design, synthesis, and structural characterization of novel inclusion compounds	Prof. Thomas C.W. Mak Dr. T.L. Chan
3. Laser interactions with micrometer size droplets and fibres	Dr. H.M. Lai Prof. K. Young
4. Anatomical, biochemical and physiological studies of brain transplants	Dr. L.S. Jen* Dr. D.S.C. Tsang
5. From print to sound and meaning	Prof. Liu In Mao* Dr. May J. Chuen* Dr. Chen Hsuan-chih
6. Signal transduction in PU5-1.8 and normal macrophage cells	Prof. C.Y. Lee Dr. Y.M. Choy Dr. K.P. Fung

* No longer CUHK staff member

Highlights of Five New Research Projects

To generate more interest in the University's research activities, the *Chinese University Bulletin* continues to bring to readers highlights of more research projects supported by RGC earmarked grants.

The *Bulletin* has worked closely with the principal investigators of five projects to explain their research objectives, procedures, and achievements in terms comprehensible to the lay person. The five reports can be found on pages 11 to 24.

The Missing Pieces on Chromosomes 3 and 9

Prime Suspects in Nasopharyngeal Cancer

NPC Common among Hong Kong Chinese

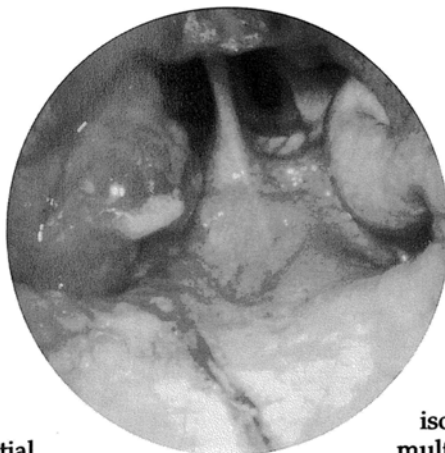
Nasopharyngeal cancer, more properly called nasopharyngeal carcinoma (NPC), is most commonly found in Southern Chinese. Many people in Hong Kong know of friends and relatives who have been afflicted by this dread disease. If diagnosis is made early and treatment is given appropriately, a substantial proportion of patients can be cured, and the relapse-free survival rate can be as high as over 80 per cent within 10 years.

The Faculty of Medicine at The Chinese University of Hong Kong is a leading institution of research on the causes and treatment of various forms of cancer. And the Cancer Centre in its teaching hospital, the Prince of Wales Hospital, is so far the only centre of excellence established by the Hospital Authority to tackle problems related to cancer.

Recent work by Dr. Dolly P. Huang and her colleagues at the University's Department of Anatomical and Cellular Pathology has led to the identification of two prime suspects — chromosomes 3 and 9 — in the genetic development of NPC. This significant advance is likely to lead to improved understanding of the disease, and ultimately to better techniques of diagnosis and treatment. This project won competitive funding of \$160,000 from the Research Grants Council in 1992 and an additional \$566,000 for further support for two years in 1993.

How the Cancer Develops

It has long been recognized that NPC may have a variety of interwoven causes. There is strong evidence linking this cancer to three well defined factors: (a) a close association with the ubiquitous Epstein-Barr virus, (b) certain traditional Southern



Chinese diets containing chemical carcinogens, coupled with insufficient intake of fresh fruits and vegetables and, (c) an inherited genetic predisposition to the disease in certain patients. The relative importance of these factors in causing NPC, and their mutual interaction, are not well understood. However, it is thought that these factors, in isolation or in combination, cause multiple gene alterations in tumour suppressor genes and the proto-oncogenes. These genetic alterations lead to a multi-step loss of normal gene functions, and disrupt the harmonious checks and balances which regulate cell growth and development. The accumulation of such genetic alterations in the nasopharyngeal mucosal cells will eventually lead to the development of nasopharyngeal cancer.

Chromosomes 3 and 9 Implicated

With the rapid advancement of molecular biology in the last few decades, investigation of such genetic events has become increasingly important in cancer research. Dr. Huang's research team has demonstrated that in NPC cancer cells, there is a consistent and nonrandom loss of segments on the short arms of chromosome 3 and chromosome 9 at specific locations (3p14 and 9p21). This has been demonstrated by cytogenetic analysis and by 'detailed deletion mapping' on the short arms of both chromosomes with 21 overlapping genetic markers (Microsatellite Polymorphisms Analysis) as illustrated in Figs. 1 and 2. Findings like these, and the consistency with which such genetic defects occur in patients suggest that NPC-associated suppressor genes reside on the short arms of both chromosomes at the identified regions. The defects and the loss of functions of these genes facilitate the development of the cancer.

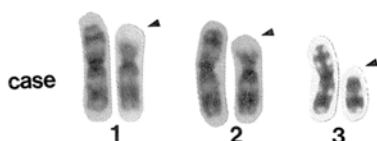


Fig. 1 Partial karyotypes showing the normal and the deleted chromosome 3 (arrows) of three undifferentiated carcinoma of nasopharynx

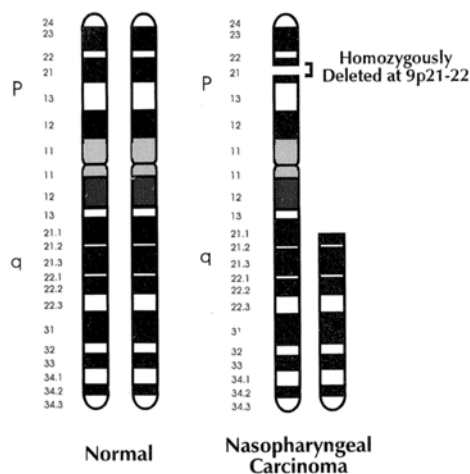


Fig. 2 Two pairs of chromosome 9. The pair on the right is defective.

Going One Step Further

Of particular interest is segment p21 of chromosome 9, which has been suggested to contain a gene named p16 (now known formally as the CDKN2 gene) that shows tumour suppressor function. Its protein product inhibits a complex machinery that tells cells to divide. Its loss of function might therefore lead to the

Detection of gene mutations by polymerase chain reaction - single strand conformation polymorphism (PCR-SSCP) analysis



Dr. Dolly W.S. Poon Huang graduated from the University of California and took her doctorate from the University of Hong Kong.

She joined The Chinese University as senior lecturer of the Department of Anatomical and

Cellular Pathology in 1986 and was promoted to reader in 1993. Dr. Huang is a member of the Royal College of Pathologists.



Prof. Joseph C.K. Lee studied medicine at the University of Hong Kong and furthered his studies in pathology in the USA. He obtained his Ph.D. from the University of Rochester, and is now professor of the Department of Anatomical and Cellular Pathology at The Chinese University.

Prof. Lee is a Fellow of the Royal College of Physicians and Surgeons of Canada, the College of American Pathologists, and the Royal College of Pathologists of Australasia. He is also honorary consultant to many local hospitals.



Dr. S.F. Leung graduated from the University of Hong Kong in 1982 and is a Fellow of the Royal College of Radiologists. He joined The Chinese University in 1989 as lecturer in clinical oncology.

uncontrolled division of cells.

The p16 gene and its association with some common cancers such as melanoma, lung cancer, gliomas (the most common type of brain tumours), esophageal, pancreatic and bladder cancers, have been the focus of interest in several major cancer research centres for the past few months. It has also become the hottest and the most controversial topic in the field of genetic cancer research. One immediate task for the CUHK team would be to investigate if the p16 gene on the short arm of chromosome 9 in nasopharyngeal carcinoma is at fault. Once the defective gene is confirmed and identified, it will be important to translate this scientific information to clinical situations as early warning markers for diagnosis of NPC and treatment such as gene-therapy. □

Intelligent Gels

Wherein Lies Their Intelligence?

Another State of Matter

Most people are familiar with the three states of matter: solid, liquid and gas. Actually, there are many more exotic states, and one task of material scientists is to try to understand their structure and properties, and derive useful applications from such understanding.

One exotic state of matter is gels. They are not quite solid; neither are they liquid. Examples include jello, hair-styling gels, sea cucumbers and soft contact lenses. Dr. Wu Chi of the Department of Chemistry has been working on polyelectrolyte gels.

Polyelectrolyte Gels

Most common molecules are fairly small, consisting of only a few atoms. For example, the oxygen molecule consists of only two oxygen atoms; the water molecule consists of two hydrogen atoms and one oxygen atom. Macromolecules, or huge molecules, also exist. They consist of tens of thousands, even millions of atoms in one single molecule. The typical structure is a long chain of carbon atoms, on which various side groups are attached. If only hydrogen is added, one can get polyethylene, a familiar soft plastic; with other side groups, one can get, for example, nylon.

Polyelectrolytes are a special kind of macromolecules; in these, many of the side groups can easily become charged by gaining or losing electrons. By developing branches and intermolecular connections (called cross-linking) these macromolecules can form a three-dimensional network (Fig. 1). The networks can collapse into rather tight structures (like jello powder before water is added); but if water is added to fill up the space between the network, it can swell up and form gels. The interaction between water and the polymer networks determines the swelling and shrinking of a given polyelectrolyte gel.



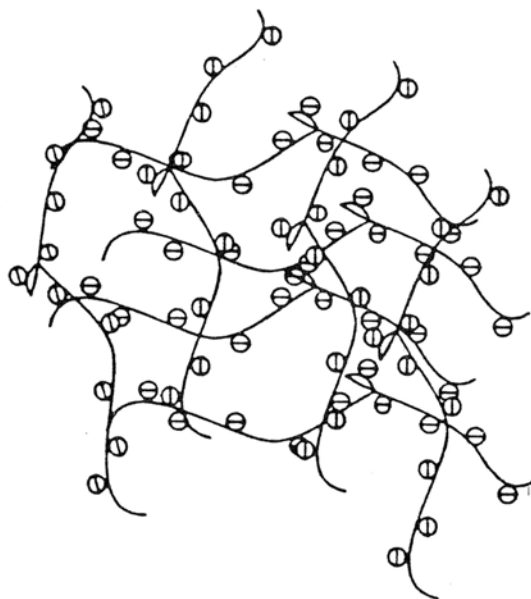


Fig. 1 *Polyelectrolyte gel network*

In fact, familiar gels such as jello and sea cucumbers are all of this type.

Their Intelligence Lies in Phase Transitions

Some types of polyelectrolyte gels undergo 'phase transitions', and are extremely useful materials in medicine and chemical technology.

Phase transitions are sudden changes in the properties of a material when the external environment is slightly altered. The classic example is the boiling of water: by just changing the temperature from 99.9...9°C to 100.0°C, water suddenly becomes steam, expanding 1700-fold. This somewhat trivial observation is the basis of the steam engine, and indeed the industrial revolution.

Those polyelectrolyte gels that undergo phase transitions can have sudden changes in volume, ranging from 100 to 500 times of their original size. These transitions are caused by tiny changes in temperature, solvent composition, salinity, acidity (pH), ionic strength and electric field. For example, the gel called poly(N-isopropylacrylamide)

can suddenly swell 100-fold when the temperature is changed by as little as one degree, from 32°C to 31°C. It is as if these gels would perform tasks on demand; they are thus sometimes called intelligent gels.

Dr. Wu Chi's work focusses on these intelligent polyelectrolytic gels. This important project won competitive funding of \$546,000 from the Research Grants Council in 1993.

Medical Applications

Some medication is destroyed in acidic conditions. They would therefore be rendered useless in the acidic environment of the stomach. Scientists therefore develop a gel which shrinks in acidic conditions and expands in alkaline conditions. If the medication is encapsulated in such a gel, it will be tightly protected when passing through the stomach; however, in the relative alkaline conditions of the intestines, the gel will expand and release the medication, which is then absorbed by the intestinal walls.

At the University of Trondheim in Norway, researchers are working on an even more interesting scheme. They use an intelligent gel that expands upon the application of an electric field. Insulin is encapsulated in such a gel, and implanted into diabetic patients. Then controlled release is achieved by applying an electric field external to the body; needle-pricks are thus spared.

Research Objectives and Methodology

Currently little is known about the sudden volume change, and its relationship with the gel structure. The development of gels with specific properties is still based on trial-and-error, which is expensive, time-consuming, and usually unreliable. Therefore the focus of Dr. Wu's research is to obtain a deeper understanding of the transition, which will enable the industrial sector to develop

polyelectrolyte gels in a more cost-effective way.

Specifically, the research will try to determine the kinetics of the swelling and shrinkage, in other words, the course of time development when external conditions are changed. Upon shrinkage, water has to come out from the inside of the entangled cross-linked web; upon swelling, water has to burrow deep into the inside. This occurs through a relatively slow process of diffusion, and may be a crucial step that determines the course of time development; so the diffusion process will be investigated. The gel structure will also be examined, both for the gel network as a whole, and for the individual chains in the gel. It is hoped that the relationship between the structure and the dynamics can be revealed.

The method is simple. One simply 'looks' at the sample. More precisely, one probes the sample by shining light on it. The scattered light, monitored by modern optical techniques such as miniature interferometry, laser light scattering, differential refractometry, holographic relaxation spectroscopy and time-resolved small-angle x-ray scattering, will reveal detailed information about the sample. This is then analysed to obtain information about the gel, both statically and also as it undergoes volume changes.

Model Gels and Results

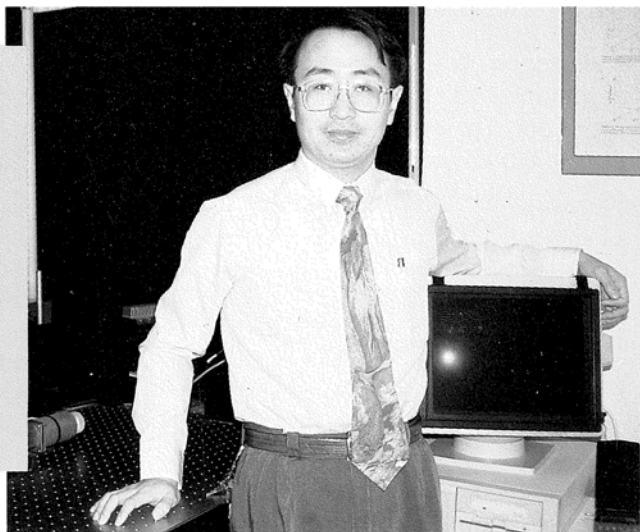
Two model systems have been studied in detail. The first is simply gelatin, which has been used extensively in the food/feed and pharmaceutical industries as an important stabilizer and gelling ingredient. The second is poly(N-isopropylacrylamide). This is a model gel system with a transition temperature of 31°C.

Macromolecules exist in a range of molecular weights — just as people may be heavier or thinner. The first step was to synthesize a set of samples with narrow distributions of molecular weights — just as focussing on groups of people in different weight ranges. The picture always becomes clearer and sharper when one looks at such segregated samples.

With these samples, the research group has found that the swelling of a thin gel film can be better described by first-order kinetics. The group has also accomplished the study of the swelling and shrinking of single polymer chains. With a better understanding of single chain properties they will move onto the gel networks. They also intend to study both micro gel particles and thin gel films. Their ultimate goal is to find out why some polyelectrolyte gels undergo intelligent phase transitions. □

Dr. Wu Chi specializes in chemical physics and obtained his BS degree from the China University of Science and Technology in 1982. He undertook postgraduate studies in polymer physical chemistry at State University of New York at Stony Brook, where he earned his doctorate.

Before joining this university as lecturer in chemistry, Dr. Wu worked for BASF in West Germany for three years, first as an Alexander von Humboldt fellow and later as the chief of its laser light scattering laboratory.



Communicating in Silence

A Study of Sign Language Varieties in Hong Kong

Deaf People Form Thriving Linguistic Communities

Traditionally, hearing people have viewed deaf people as isolated, pathologically handicapped individuals. However, this view is not borne out by careful analysis of deaf communities and their sign languages. Since their inception in the United States in the 1960s, formal anthropological and linguistic studies of communication among deaf people around the world have demonstrated that deaf people in numerous countries form thriving linguistic communities, which are held together by sign languages that differ dramatically in structure and history from spoken languages used in the same countries.

Insufficient Research on Deaf People in Asia and Hong Kong

Research thus far has been focussed on American and European sign languages. In contrast, extremely little is known about sign languages and deaf people in the Asia-Pacific region. Responding to this comparative lack of information, Dr. James

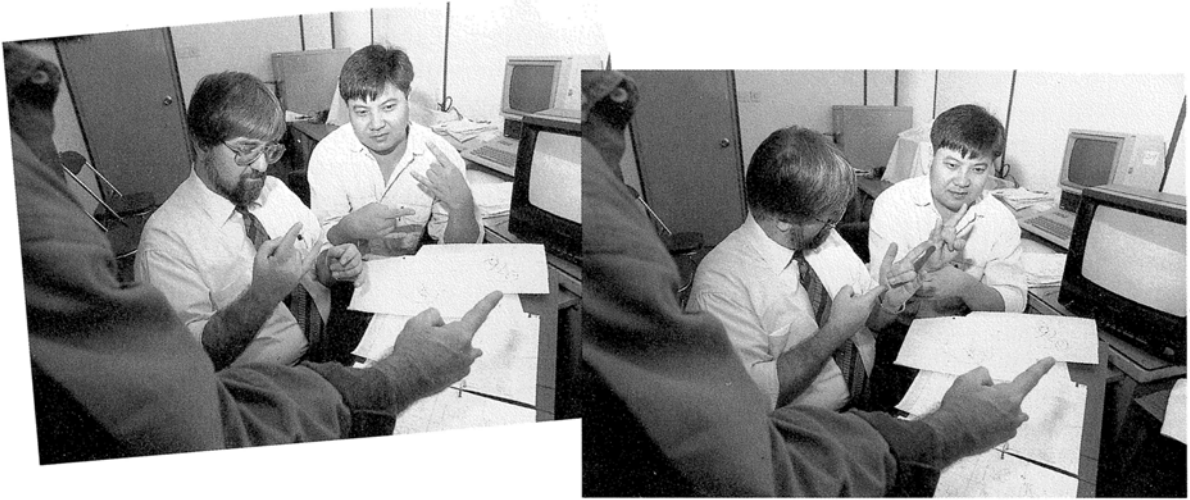
Woodward
and Dr. Gladys
Tang of

the Department of English applied for and successfully obtained an earmarked grant from the Research Grants Council (RGC) in 1992 to begin an in-depth formal research into sign language varieties used by deaf people in Hong Kong.

Uniqueness of Sign Languages

Sign languages are languages with their own grammars. They do not share the same grammatical structures with spoken languages in a given country. Hong Kong sign language has a

different word order and morphology from spoken and written varieties of Chinese. For example, it puts the numerals after the noun ('books three' instead of 'three books'), and emphasizes agreement between subjects,



Deaf research assistants William Lauck and Samuel Chan analyse sign handshapes for alphabetizing the dictionary of Hong Kong sign language.

objects and verbs in sentences. Hong Kong sign language clearly belongs to a different language family from spoken or written Chinese. In structure it is closer to sign language varieties in Shanghai than it is to signing in Guangdong or Taiwan. In fact, Taiwanese sign language belongs to a different language family, and is much closer to Japanese sign language than any sign language varieties used in China or Hong Kong.

What Researchers Set out to Do

With funding support from the Research Grants Council, Drs. Woodward and Tang plan to collect and then analyse in depth formational, lexical, and grammatical data on sign language varieties used by local deaf people, and to train professionals and members of the deaf community in Hong Kong in the scientific study of the structure of sign languages and deaf cultures. Concrete products that will result from the research include a large dictionary of Hong Kong sign language, a grammatical handbook for Hong Kong sign language, a Hong Kong research team trained to continue research on sign languages in the Asia-Pacific region, and a university-level course in the linguistic structure of Hong Kong sign language.

Theoretical and Applied Significance

As the first study to systematically apply historical-comparative techniques to an Asian sign language, the research will enhance the understanding of the universal and unique characteristics of different sign languages and therefore human languages in general. It will also lay the foundation for future applied programmes in such areas as sign language teaching and sign language interpretation.

But more importantly, the research will help a large group of individuals in Hong Kong to develop their potentials to the full. It should be noted that the hearing-impaired in Hong Kong are much less likely than people who are blind or people with other forms of physical handicap to receive a good secondary or tertiary education. While deaf people in many economically developed parts of the world have access to special support services in selected schools and universities, there are currently no universities in Hong Kong that offer regular special educational support services for deaf students. As a result, the great majority of Hong Kong deaf students either receive no university education, or have to go abroad to receive such education. In short, it has been difficult, if not impossible, for the majority of adult deaf individuals to achieve their full educational, and therefore, employment and economic potential in Hong Kong. This is also true of

many other Asian societies with large Chinese speaking populations.

Long-term Plans

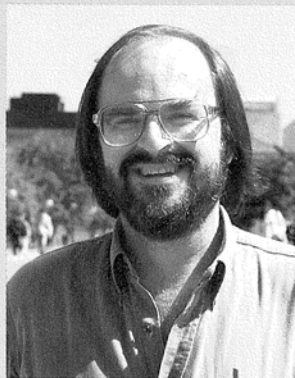
Although the current RGC funded project is expected to yield many important benefits, the researchers are convinced of a further need to expand the research and to start training services that will have an impact on the lives of deaf people and their family members. They have thus put up a long-term strategic research proposal entitled 'Asian-Pacific Sign Languages/Deaf Studies Research and Training Programme' for consideration by the CUHK Research Committee, and have successfully obtained seed-money funding for the project.

This programme is a long-term, comprehensive, interdisciplinary research and training programme on sign languages and deaf studies in the Asian-Pacific region. Research and training will first focus on Hong Kong and gradually expand in stages to incorporate Southern China and Taiwan, Northern China, East Asia, Southeast Asia, South Asia, and the Pacific countries. Some of the long-term

objectives of this programme include the establishment of university courses in the history and grammatical structure of Hong Kong sign language and the Hong Kong deaf community, an undergraduate or postgraduate programme in spoken/sign language interpretation, and complete access to university degree programmes for deaf people in Hong Kong.

The programme as currently envisioned includes a number of interrelated individual projects that fall into five major categories: (1) sign language linguistics, (2) sign language teaching, (3) sign language interpretation, (4) deaf education, and (5) deaf awareness.

These projects will be supported by donations as well as grants from international organizations and governments. A CUHK Deaf Education Fund has also been set up at the University to collect donations that will support projects under the programme, especially those related to the development of university level education programmes in Hong Kong for deaf students. The fund was formally inaugurated in May 1994 with a generous contribution from the Hong Kong Association of Secretaries. □



Dr. James Woodward received his Ph.D. in sociolinguistics from Georgetown University, USA, in 1973. Before coming to CUHK in 1992, he worked for more than 20

years at Gallaudet University, the world's only liberal arts university for deaf people, as senior research scientist in the Culture and Communication Studies Program and in the International Center on Deafness. His current research interest is the historical-comparative study of Asian sign languages.

Dr. Gladys Tang received her Ph.D. in applied linguistics from the University of Edinburgh in 1990 and is currently lecturer of linguistics in the English Department of The Chinese University of Hong Kong. Her research interests include linguistic theory and second language acquisition, classroom processes and pedagogical grammar, curriculum development and planning, language testing theories and techniques, as well as Hong Kong sign language grammar. She is a member of the Executive Committee of the Hong Kong Linguistics Society.



The Bacteria Legion in a Battle against Water Pollution

The Use of Biological Techniques to Combat Electroplating Pollution

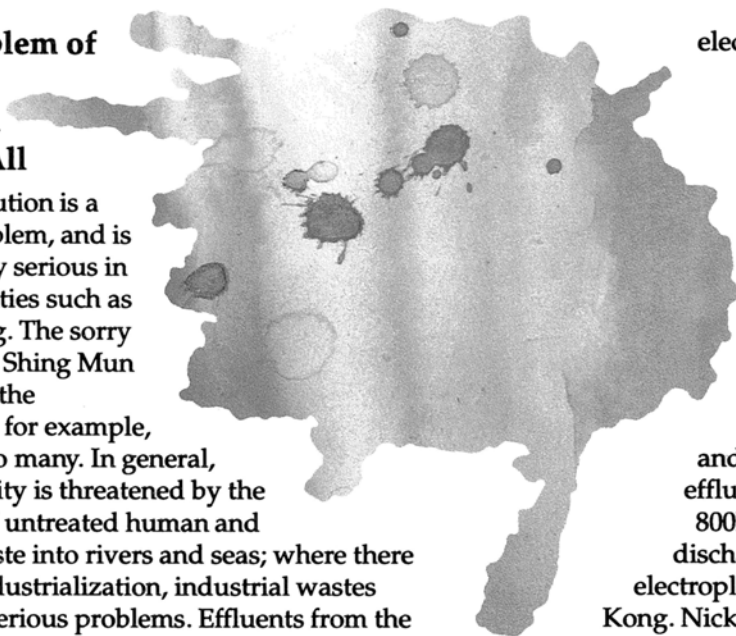
The Problem of Water Pollution Affects All

Water pollution is a global problem, and is particularly serious in crowded cities such as Hong Kong. The sorry state of the Shing Mun River near the University, for example, is known to many. In general, water quality is threatened by the disposal of untreated human and animal waste into rivers and seas; where there is rapid industrialization, industrial wastes also pose serious problems. Effluents from the dyeing industry carry residual dyes that are not easily degradable; effluents from the electroplating industry carry large quantities of toxic heavy metals.

Now a research project in the Department of Biology offers the prospect of helping to reduce water pollution. The project on the removal and recovery of nickel ions in effluent by bacterial cells immobilized on magnetites is carried out by Dr. P.K. Wong of the Department of Biology. It follows an earlier investigation on metal removal funded by an internal direct grant in 1987, and won competitive funding (\$540,000) from the Research Grants Council in 1992.

Pollution Caused by Electroplating

In electroplating, metals are first dissolved in acid, and plated onto the host object by the passage of an electric current. In most



electroplating processes, a layer of nickel is first deposited as a base on which the ultimate surface layer (which may be copper, silver or gold) is then deposited. As a result, nickel is one of the most commonly occurring metals in the electroplating process, and also in the discharged effluent. It is estimated that 800kg of nickel sulphate is discharged every day by the electroplating industry in Hong Kong. Nickel is discharged as ions in the effluent liquid, an ion being a nickel atom which has lost two electrons, and hence carries two units of positive electric charge. Nickel ion, in contrast to the metal itself, is easily absorbed if ingested and is toxic in two significant ways: in posing hazards to the neural system (neuro-toxic) and also in possibly causing gene mutations (mutagenic).

So the removal of nickel from electroplating effluents is a matter of top priority. Incidentally, nickel is also expensive, so its recovery should pay, in part or all, for the cost of the abatement technology.

A Three-Step Process to Remove and Recover Nickel from Industrial Waste

The conventional technology for nickel recovery is chemical. Caustic soda is added to the



Dr. P.K. Wong obtained his B.Sc. and M.Phil. from The Chinese University of Hong Kong in 1977 and 1979 respectively, and his Ph.D. from the University of California, USA in 1983. He joined CUHK as lecturer in biology in

1986 and was promoted to senior lecturer in 1994. Dr. Wong's research interest is in environmental biotechnology and environmental toxicology. Dr. Wong is concurrently associate director of the Centre for Environmental Studies.

effluent which turns the nickel ions into nickel hydroxide, which is then precipitated as a slurry sludge. The sludge is removed, and is often buried in landfills; but it may seep from the landfill, creating further problems. However, such methods also tend to be expensive, and reaction conditions have to be controlled rather precisely. Alternatives have to be explored, and a clever biological scheme that Dr. Wong has developed appears to offer very good promise.

The idea is a three-step process. In short, one tries to let the nickel attach itself to bacteria, let the bacteria attach themselves to magnetite, and finally let the magnetite attach itself to a strong magnet.

Nickel ions carry positive charges. It turns out that certain types of bacteria carry negative charges on their cell walls, so very naturally the nickel will adhere to the bacteria. But the bacteria, which are less than 10^{-9} of a cm^3 in size, float about in the waste liquid and are difficult to collect. So the second step is to let these bacteria attach themselves to magnetite. Magnetite is a magnetic species of iron oxide. Under certain acidity conditions, magnetite exhibits a slight positive charge, so naturally the bacteria, which are still negatively charged, will adhere to the magnetite. In fact, it is speculated that the magnetite may have a highly porous structure, and once the bacteria burrow their way into these pores, they may become trapped and are unable to come out, quite apart from the electrical attraction. The bacteria are said to

be immobilized. Finally, the magnetite, because of its magnetic property, can be separated from the effluent using a strong magnet — in much the same way as a toy magnet picks up metal paper clips.

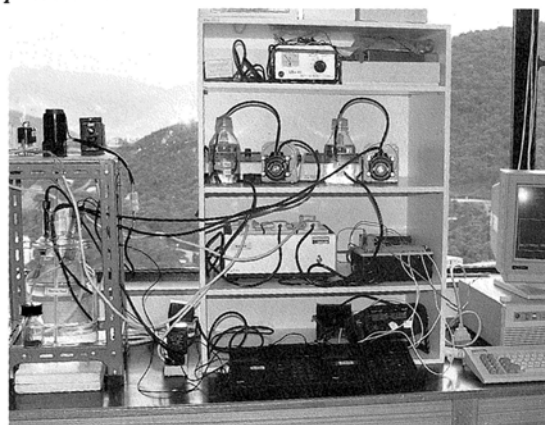
To recover the nickel that has been attached, one need only apply an acidic solution onto the magnetite. The nickel will be separated and washed away with the solution. The remaining bacteria that have been immobilized by the magnetite can be regenerated by applying a neutral buffer.

Promising Research Results

This separation scheme was proposed in a primitive form some eight years ago. Dr. Wong has investigated the basic science, and made several very significant improvements. A class of bacteria has been identified that has a special affinity for nickel. The research team has also established the best conditions for the removal and recovery processes: temperature, acidity, dissolved oxygen concentration etc. It has also been found that five to ten minutes under moderate stirring is sufficient to remove most of the nickel — this is very fortunate, and is likely to lead to a very efficient removal process.

Once the basic science has been established, the next step is to make a bioreactor. A prototype laboratory scale reactor with five litre capacity has been built and tested. Design studies are in hand for scaling up to 1,000 litres, which will be large enough to be tested in a realistic small factory situation. □

A prototype bioreactor to remove heavy metals from polluted water



Have You Ever Bought New Shares from China's Stock Market?

A Research into Underpricing and Volatility of Initial Public Offerings



Attraction of China's Stock Market

Most people in Hong Kong are familiar with the stock market. Many have a stake in it, and most regard the Hang Seng index as a barometer of the local economy.

China's stock market is relatively new. It is small, but has a huge potential; it is immature, yet is developing rapidly; the public has a limited understanding and there is little institutional presence to provide a stabilizing force. Precisely because it is so different, it is an interesting subject for academic study. Economic and behavioural theories can be tested in new domains.

But China's stock market is of more than academic interest. It is a symbol of market socialism and a developing private sector, and as such a barometer of China's economic reform, with obvious social and political ramifications. It is not just a tool for companies to raise capital for growth, but also a crucial element in the drive to modernize the teetering state enterprises and transform the whole fabric of Chinese society.

CUHK a Base of Effective Research

For these reasons, China's stock market has become an important subject of research by

economists and business academics. The Business Administration Faculty, as the largest and best-known business school in Hong Kong, has launched a broad-based research effort to investigate the subject, an effort that is underpinned by CUHK's unique access to China's stock market databases. The Shanghai Stock Exchange, the Shanghai International Securities Co., and the Shenzhen Stock Exchange have all agreed to provide stock data and company information of their respective markets to CUHK researchers. With these advantages, CUHK is emerging as a world leader in this area of research.

One such project is undertaken by Dr. Henry M.K. Mok of the Department of Decision Sciences and Managerial Economics at CUHK, in collaboration with Dr. Y.V. Hui of the City Polytechnic of Hong Kong. The project examines the underpricing of new issues and their volatility in China's stock markets, and won an earmarked grant of HK\$150,000 from the Research Grants Council in 1993.

Why Are New Shares Underpriced?

One of the most striking phenomena that cries out for examination and theoretical understanding is the underpricing of initial public offerings (IPO), and the huge volatility that it generates.

When a private company goes public, the original proprietors will offer shares in the company for sale to the public. There are several advantages to such share offerings. From the point of view of society as a whole, the stock market helps to divert savings from consumption to long-term investment. For the original proprietors, it offers access to capital and hence the opportunity to grow. It also allows start-up entrepreneurs to recoup their investments on the basis of expected rather than realized profits. When state-owned enterprises are converted into share-holding companies, their management and operations become market-driven and market-responsive. The investors on the other hand get the opportunity of achieving a somewhat higher rate of return than is available from the bank — at the cost of

Dr. Henry M.K. Mok graduated with distinction from Hong Kong Baptist College. He earned his MA in economics from the University of Toronto, Canada, and the degrees of

Master of Urban and Regional Planning, Master of Social Work and Ph.D. in economics from the

University of Hawaii at Manoa. He joined CUHK in January 1988 and is now lecturer

in the Department of Decision Sciences and Managerial Economics. Dr. Mok is currently director of the Center for Financial Research on China and director of research development at the Asia-Pacific Institute of Business.



some financial risk. Society as a whole also gains by spreading financial risk around.

Economic theory holds that each party in any transaction acts to maximize his own benefits. Thus the issuers, as the seller, would want to set the price of IPOs as high as the market will bear — especially since there is always a limit to the number of shares to allot, one need not suppress price to drive up volume. If IPOs are priced at close to eventual market valuation, the offering would see only a very small rise (possibly even a small fall) soon after the offering, with longer-term gains driven by the success of the enterprise. Yet IPOs are often underpriced, as evidenced by sharp rises very soon after public offer. In developed markets, the underpricing ranges from a few per cent to nearly 50 per cent. Why should the issuers in effect sell below market price? This poses a challenge to economic theory, and has been cited (Brealey and Myers, 1991) as one of the ten

Average price relative of 101 IPOs in the first 5 aftermarket days
(By month and by pre-listing market sentiment)

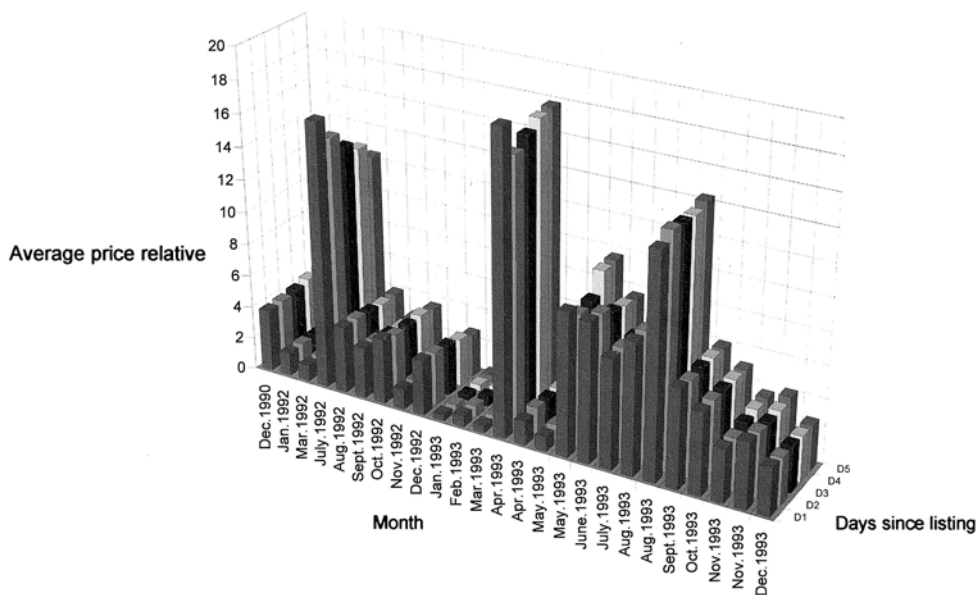


Fig. 1

puzzles in capital market research.

The problem is magnified in the Chinese stock market. Underpricing is systematic and substantial. The IPOs of A-shares were underpriced by as much as 400 per cent on average. For certain new issues, the average closing price on day one aftermarket was as high as 17 times of their offering prices (see Fig. 1). The gross underpricing and the resultant expectation of a sure way to get rich led to tremendous over-subscription, and half a million people pouring into Shenzhen to purchase 'application forms for share lottery' in 1992, which culminated in a riot on 11th August 1992.

Phase I Research: Tracking Stock Markets in Shenzhen and Shanghai

Dr. Henry Mok's project will examine the IPO phenomenon in China, in three phases.

First, the extent of underpricing and volatility will be tracked for China's two stock

markets in Shenzhen and Shanghai, for both A and B shares, over the period 1990–93. Measures of market return, namely the average price relatives, cumulative average return in excess of the market effect etc. will be used in the analysis. The institutional arrangements of underwriting IPOs will also be studied, with a focus on their impact on the extent of underpricing. Specifically, the speculative bubble hypothesis is tested.

With data on 101 unseasoned A-share and 22 B-share new issues in Shanghai, Dr. Mok has found that the A-shares were grossly underpriced by about 400 per cent on average. The underpricing of B-share IPOs, however, was not supported. After excluding the effects of price limits and market co-movements, the fad or the speculative bubble explanation of aftermarket inefficiency was supported for the bear issues and not for the bull issues and the B issues.

A very large percentage of shares outstanding is found to have changed hands on

the first few aftermarket days. Although it is rational to take profit when the returns are high on unseasoned stocks in an emerging market, it suggests immediate profit-taking by flippers. This gross underpricing of A-share IPOs also resulted in an overheated primary market and misled the Chinese public to speculate and to overlook risk.

Phase II Research: Studying Risk-Return Relationships

The second phase of the research will analyse the risk-return relation of IPOs in China. Financial theory postulates that there should be a correlation between risk and return — prices will only equilibrate at a point where higher risks are compensated by higher expected returns. Researchers will also examine the non-trading, intraday and interday volatility. A Capital Asset Pricing Model (CAPM) which

provides a simple yet powerful tool to estimate the relation between risk and return will be used to estimate the risk-return relationship. Findings will be gauged against statistics from other stock markets such as Hong Kong and the US. The purpose is to investigate whether the returns over-reward the risks — and if so, why. It is expected that as the market develops and rationality returns after the initial subscription frenzy, the underpricing and volatility will decline over time.

Phase III Research: Testing the Validity of Two Hypotheses

Thirdly, China's stock markets have unique features which require special hypotheses to explain the IPO phenomenon. The relationships among different parameters such as institutional arrangements, volatility and the state of the market will be examined empirically. The analysis will help to examine two hypotheses. First, the information asymmetry hypothesis of Baron (1982) and Rock (1986), which states that investors, especially small investors, do not have as much information as other parties such as the management and the underwriter, and must be 'lured' by deliberate underpricing. Secondly, Masulis (1987) and Affleck-Graves (1989) have proposed that regulation of the stock market reduces the information asymmetry, and should therefore reduce the underpricing. However, the reverse seems to be true in China: new issues are tightly regulated and centrally allocated, yet investors with little experience in investing have little access to information on new issues. Is this a cause of the severe underpricing?

Why is Research Important?

This study has important implications for the pricing of IPOs in China, and policy on disclosure of company information. The findings will be important for the market's healthy development, for understanding the risks involved in IPOs, and will help shape policy for stock market regulators in mainland China. □

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Profiles

Dr. Ho Kwok-keung

Lecturer in Educational Administration and Policy

Dr. Ho graduated from The Chinese University with a B.Sc. degree in 1971, and acquired his Diploma in Education in 1976. He took his M.Sc. in physics from Ohio University in 1974 and his doctorate in education from the University of British Columbia in 1980. He is also a member of the Institute of Physics (UK) and a chartered physicist.



Dr. Ho taught at Ming Kei College from 1970 to 1981, and was principal of the Chinese YMCA College from 1981 to 1994. He is actively involved in the work of various local educational and social organizations. Dr. Ho is currently board member of United Christian College, the Research Institute of Christian Education, Tsz Wan Shan Centre Kindergarten, and the World Relief Association of Hong Kong. He also serves on the executive committee of the Educational Research Association, and the editorial board of *New Horizon* and the *Hong Kong Educational Research Journal*.

Dr. Ho was visiting scholar at Homerton College of Cambridge University in 1984, visiting professor of Biola University in California in 1989, when he was also appointed adjunct professor of education. He also visited Macquarie University in Australia in 1993.

His research interests include school management, educational policy, bilingual education, and education measurement and evaluation. He has published eight books, some 30 articles in local or international journals, and numerous articles in local magazines and newspapers. He has also co-authored several government reports on education developments in Hong Kong.

Dr. Freedom Y.K. Leung

Lecturer in Psychology

Dr. Freedom Leung received his undergraduate training in psychology at Concordia University, Montreal, Canada, where he also took his MA in general psychology and Ph.D. in clinical psychology.

Before joining The Chinese University of Hong Kong, he was a research associate at the Douglas Hospital Centre, a McGill University teaching hospital in Montreal, where he conducted research on eating and personality disorders for three years. Dr. Leung has authored and co-authored about 30 journal and conference publications. His current research interests include the relationship between body-image and self-image, the development of disordered eating behaviours, and personality disorders among Chinese adolescents in Hong Kong.

As a clinical psychologist, Dr. Leung also practises psychotherapy. He specializes in treating anxiety, personality or eating disorders.

Dr. Leung has been married for nine years, and his wife is a French-Canadian who speaks Cantonese. In his leisure time, Dr. Leung enjoys playing badminton, rock-n-roll music, and Flamenco (a Spanish dance).

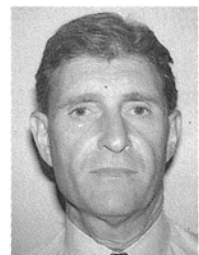


Dr. John Shuttleworth

Lecturer in Sports Science and Physical Education

Dr. Shuttleworth read sports science and physical education at Loughborough University of Technology in the UK and the University of Western Australia. He obtained his doctorate from the University of Alberta in Canada in 1975.

Dr. Shuttleworth's professional experience is wide-ranging. He had served as principal lecturer at Liverpool John Moores University, where he helped establish the first B.Sc. programme in sports science in the UK. He later joined Griffith University in Australia as principal lecturer and head of the Leisure Studies Department, where he assisted in the development of Australia's first BA course in sport and recreation management. Before joining The Chinese University, he was senior lecturer and head of the Human Movement Studies Department, and sub-dean of the Faculty of Education at the University of Tasmania, Australia,



where he introduced a programme leading to the Bachelor of Human Movement Science.

For four years Dr. Shuttleworth left the academia to work as general manager of the New Zealand Hillary Commission, a government organization to coordinate national services in relation to the arts, sports, recreation, tourism and the environment. In this job, he introduced many innovative programmes, which covered preventive health care, community education and development, ethnic minority culture, physical recreation for women and the disabled, sports science and technology research, drug abuse management, and lifestyle management.

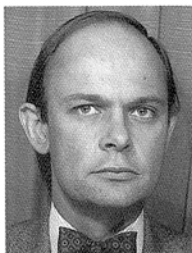
Since returning to the academic environment Dr. Shuttleworth has continued his research into the management of preventive health care delivery systems; the management of sport, recreation, tourism and physical education agencies; the impact of political ideology on government mass-sport systems; and factors influencing youth participation in sport, particularly in Hong Kong.

Dr. Shuttleworth is married, with four children. In his leisure time, he enjoys music, theatre-going, outdoor physical recreation and high-performance sport.

Dr. Nicholas Wickham

Senior Lecturer in Clinical Oncology

Dr. Wickham received undergraduate training in internal medicine at Cambridge University, and later decided to specialize in clinical haematology and bone marrow transplantation. He has since gained extensive experience in this field working at various



hospitals, including the Hammersmith Hospital, the Royal Marsden Hospital, and St. George's Hospital in London, as well as the University of Minnesota Hospital and Clinic at Minneapolis, USA.

His research interests include the vascular biology of the vessel wall, with particular reference to mechanisms involved in the production of blood clots and inflammation. As these fundamental disease processes may be closely related to how cancer spreads through the body, they also form the basis of Dr. Wickham's future research projects, which will include mechanisms of normal and abnormal cellular growth in the bone marrow.

Upon joining The Chinese University, Dr.

Wickham helped set up a High Dose Therapy Unit at the Prince of Wales Hospital to provide a new treatment for local cancer patients. By using a technique known as peripheral blood stem-cell harvesting and autografting, patients can be given higher, and potentially more curative doses of chemotherapy without having to suffer many of the bone marrow toxic side-effects that would normally result. This procedure is now gaining increasing support from other centres around the world and will be one of the major innovations in cancer chemotherapy available at the Prince of Wales Hospital.

Dr. Wickham enjoys diving as well as playing both classical and jazz music on the piano.

Mrs. Kim-Hong T. Cheng

Senior Internal Auditor

Mrs. Cheng joined the University's Internal Audit Office in March 1994. She was born in Vietnam in 1961 and emigrated with her family to the United States in 1975. Mrs. Cheng graduated with a bachelor's degree in accounting from San Diego State University in 1982 and obtained her Certified Public Accountant designation in 1986.



Mrs. Cheng has had over 10 years of experience in auditing and accounting. Prior to joining The Chinese University, she served as director of internal audit for Consolidated Fibres Inc., internal audit manager for Pacific Telesis, and financial controller for Measurement Limited. She is a member of the American Institute of Certified Public Accountants and the American Women Association.

As a professional, a wife, and a mother, Mrs. Cheng always tries to strike a good balance among her different roles. She enjoys meeting people and getting involved in communication-related activities. She is an active member of the International Training in Communication-Kowloon, and has recently joined The Chinese University Women's Organization as an executive committee member. In her free time, Mrs. Cheng enjoys snow-skiing, taking pictures, and most of all spending time with her husband and family. Mrs. Cheng values honesty, commitment and hard work. She believes that life is whatever one puts into it and that success, in whatever measurement, is a journey and not a destination.

Mrs. Cheng is married, with two daughters. □

News in Brief

Council Membership

New Council Members

Mr. Lee Kam-chung and Mr. Lau Sai-yung have been elected by the Convocation as members of the University Council from 25th June 1994.

New Pro-Vice-Chancellor

Prof. Kenneth Young, professor of physics, has been appointed as pro-vice-chancellor for two years from 1st August 1994.

New Head of Chung Chi College

Prof. Rance P.L. Lee, professor of sociology, has been appointed as head of Chung Chi College for four years from 1st August 1994.

University Members Honoured

- Three members of the University were honoured in the Queen's Birthday Honours List announced on 10th June 1994. Dr. James Z.M. Kung, vice-chairman of the University Council, and Prof. S.T. Chang, professor of biology, were made Officers of the Most Excellent Order of the British Empire (OBE), while Mr. David A. Gilkes, University bursar, was made a Member of the Most Excellent Order of the British Empire (MBE).
- Vice-Chancellor Charles Kao received an honorary Doctor of Science degree from the University of Durham, UK on 21st May.
- Prof. C.N. Yang, distinguished professor-at-large, and Prof. Yau Shing-tung, professor of mathematics, were elected foreign academicians of the Chinese Academy of Sciences on 8th June 1994.
- Prof. C.N. Yang was awarded the prestigious Benjamin Franklin Medal by the American Philosophical Society for his significant contribution to theoretical physics.
- Prof. Ambrose Y.C. King was elected Fellow of Academia Sinica, Taiwan in July 1994.

Vice-Chancellor's Trip to Australia

Vice-Chancellor Charles Kao spent 10 days in Australia in April 1994 visiting Australian institutions

and meeting CUHK alumni in the country.

In Canberra Prof. Kao addressed the Board of the Australian Vice-Chancellors' Committee at their headquarters, urging Australian academics to exploit the existing links between Hong Kong universities and mainland tertiary institutions to develop tripartite relations which could benefit all parties concerned.

Prof. Kao then visited Australian National University and the University of Canberra. He also met with Australian Foreign Minister Gareth Evans and Senior Adviser to the Minister Jeff Bentley, who is former Australian Consul-General in Hong Kong.

In Sydney the vice-chancellor attended a special workshop on optical fibre communications and discussed information technology opportunities with Mark Skeats, director of the Fibre Optics Technology Centre of the University of Sydney, and the technical staff of Optus, the second largest telephone network provider in Australia. He also gave a talk on the industrial development of Hong Kong at the Sydney Institute, a think-tank for the Australian government.

During the last part of his trip, Prof. Kao attended the inaugural ceremony of the Alumni Association of CUHK in Sydney, and talked to some 40 alumni about the recent and planned developments of The Chinese University.

Professorial Appointments

Seven new professors were appointed between May and October 1994:

Professor of Finance

Prof. Leslie Young has been appointed professor of finance from 1st May 1994.

Born in China in 1949, Prof. Young received his university education in New Zealand and obtained his B.Sc. and M.Sc. degrees from the University of Wellington in 1968 and 1969 respectively. He then went to Oxford for doctoral studies and was awarded a D.Phil. degree in 1971.

After graduation, Prof. Young worked at Oxford



first as a junior research fellow for three years and later as lecturer in economics. In 1975, he returned to New Zealand and joined the University of Canterbury as lecturer in economics, and was promoted to senior lecturer rank in 1976. In 1983, he was employed by the University of Texas at Austin as professor of finance and economics, and had worked there until 1992, when he joined The Chinese University of Hong Kong as Wilson T.S. Wang Distinguished International Professor. He was appointed visiting professor in finance in 1993.

Professor of Statistics

Prof. Wing-hung Wong has been appointed professor of statistics from 15th June 1994.

Prof. Wong received his primary and secondary education in Hong Kong. He then went to the United States and graduated from the University of California at Berkeley with a BA degree in mathematics and statistics in 1976. He pursued postgraduate studies at the University of Wisconsin-Madison and obtained an MS degree in statistics in 1978, and an MS degree in computer science and a Ph.D. degree in statistics in 1980.

Upon graduation, Prof. Wong joined the University of Chicago as assistant professor of statistics. He was promoted to associate professor in 1985, and chair professor in 1988. He had worked at the University of Chicago for 14 years before joining The Chinese University this summer. Between May and July 1993 he was visiting professor of statistics at CUHK.

Prof. Wong is a member of Sigma Xi, the American Statistical Association and the Royal Statistical Society. He is also a fellow of the Institute of Mathematical Statistics (USA).

Prof. Wong is married, and has two daughters.

Professor of Community Medicine

Dr. Lee Shiu-hung has been appointed professor of community medicine from 4th July 1994.

Prof. Lee graduated with MB BS degrees from the University of Hong Kong in 1958, was awarded a diploma in public health by the University of Singapore in 1963, and obtained his



diploma in industrial health from the University of London in 1969. He was made Doctor of Medicine by the University of Hong Kong in 1992.

Prof. Lee joined the civil service in 1960 and served the Medical and Health Department for 29 years, first as health officer and finally as Acting Director of Medical and Health Services. In 1989 with the establishment of a new Department of Health, he was appointed Director of Health, and in that capacity he introduced a series of reforms to improve the quality of local medical services. He retired from the civil service in June 1994.

Prof. Lee has had extensive experience in preventive medicine, public health, health planning, epidemiology and medical administration, and is a fellow of many medical colleges and associations. He is president of the Hong Kong College of Community Medicine and serves on a large number of public committees. He was awarded 'WHO Health for All Medal' in 1988 by the World Health Organization (WHO) Regional Office for the Western Pacific in recognition of his outstanding contribution to the improvement of public health in Hong Kong.

Prof. Lee is married, and has four children.

Professor of Fine Arts

Dr. Mayching Kao has been appointed professor of fine arts from 1st August 1994.

Prof. Kao graduated from The Chinese University with a BA degree in fine arts in 1967, obtained an MA degree from the University of New Mexico in 1969, and a Ph.D. degree in oriental art history from Stanford University in 1972.

After graduation, Prof. Kao joined The Chinese University as lecturer in art history and was promoted to senior lecturer rank in 1983. She has held a concurrent post of curator of the University's Art Gallery since 1981. Prof. Kao's major research interests are history of Chinese paintings, history of Japanese art, and Sino-Japanese and Sino-Western artistic exchanges.

She also serves as member, trustee or honorary adviser of various art societies.

Professor, English Language Teaching Unit

Prof. Lyle Farris Bachman has been appointed professor of the English Language Teaching Unit from 18th August 1994.

Prof. Bachman studied English at Indiana



University, USA and obtained his AB, MA and Ph.D. degrees in 1965, 1969 and 1971 respectively.

Prof. Bachman served as assistant professor of the departments of English and English as a Second Language at the University of Hawaii in 1970. The following year he joined the Ford Foundation as project specialist and was assigned as adviser in psycholinguistics and evaluation to the Central Institute of English Language, Bangkok, Thailand. He returned to the United States in 1976 to take up the post of assistant professor at the University of Illinois at Urbana-Champaign. He was promoted to associate professor and professor in 1983 and 1989 respectively. Before joining The Chinese University, Prof. Bachman was professor of the Department of TESL and Applied Linguistics at the University of California at Los Angeles.

Prof. Bachman is a member of the American Association for Applied Linguistics, the American Educational Research Association, and the International Language Test Association.

Prof. Bachman is married, with two daughters.



Professor of Social Work

Prof. Kenneth K.L. Chau has been appointed professor of social work from 20th August 1994.

Prof. Chau took his master of social work degree from McGill University in 1969 and his Ph.D. degree from the University of Southern California in 1979.

Born in Hong Kong, Prof. Chau started his career in social work in 1958 and had worked for both the Boys' and Girls' Clubs Association and the Hong Kong Council of Social Service. He joined the University of Hong Kong as lecturer in social work in 1972, and was promoted to senior lecturer in 1980. He moved to the United States in 1984 and has since taught social work courses at California State University at Long Beach.

Prof. Chau is a member of the editorial board of *The Journal of Multicultural Social Work*, and *The Hong Kong Journal of Social Work*.

Prof. Chau is married, with two children.



Professor of Accountancy

Prof. Koon-hung Chan has been appointed professor of accountancy from 14th September 1994.

Prof. Chan graduated from The Chinese University with a Bachelor of Commerce degree in 1968, obtained his master's degree in accounting science from the University of Illinois in 1970, and his Ph.D. degree in business administration from Pennsylvania State University in 1974.

Prof. Chan then taught accounting courses in universities in Canada and the USA, and before returning to Hong Kong in 1992, he was professor of accounting at the University of California at Riverside, California. Between 1992 and 1994, he served as Hang Seng Professor at the Hong Kong Polytechnic and was head of its Department of Accountancy.

Prof. Chan qualified as a Certified Management Accountant (USA) in 1978 and Certified Public Accountant (USA) in 1982. He is also a fellow of the Hong Kong Society of Accountants.

Prof. Chan is married, and has two daughters.



Professor of Anthropology

Dr. Chien Chiao has been appointed professor of anthropology from 1st October 1994.

Prof. Chiao read anthropology at National Taiwan University and obtained his BA and MA degrees in 1958 and 1961 respectively. He then furthered his studies at Cornell University and was awarded a Ph.D. degree in 1969.

Prof. Chiao taught anthropology at Indiana University for seven years from 1966 and joined The Chinese University in 1973. He helped found the anthropology section within the Department of Sociology, which later developed into the Department of Anthropology. He was promoted to senior lecturer rank in 1977 and reader in 1988.

Prof. Chiao is a fellow of the American Anthropological Association and honorary adviser of the Hong Kong Museum of History.

Prof. Chiao is married, and has a son.



Professor of Surgery

Dr. Sydney Chung Sheung-chee has been appointed professor of surgery from 1st October 1994.

Prof. Chung received his medical education in Ireland and obtained his M.B. B.Ch. and BAO degrees from the National University of Ireland in 1980.

After a year of internship in Scotland, Prof. Chung returned to his place of birth, Hong Kong, in 1981 and served as medical officer in Kwong Wah Hospital. He joined the University as lecturer in surgery in 1984, was promoted to senior lecturer rank in 1988, and reader in 1992. He was awarded an MD degree by the University in 1988.

Prof. Chung is a fellow of the Royal Colleges of Surgeons of Edinburgh and Glasgow, and a member of the Royal College of Physicians of the United Kingdom.

Prof. Chung is married, and has two children.



Professor of Economics

Dr. Liu Pak-wai has been appointed professor of economics from 1st October 1994.

Born in Hong Kong, Prof. Liu received his university education in the United States. After taking his BA degree from Princeton University in 1971, he went to Stanford University for graduate studies. He obtained his MA degrees in economics and education in 1975, and his Ph.D. degree in 1977.

Prof. Liu joined The Chinese University as lecturer in economics in 1976, was promoted to senior lecturer rank in 1983, and reader in 1990. He also served as University Registrar from 1982 to 1986.

Prof. Liu is married, and has two children.



Professor of Medicine

Dr. Jean Woo has been appointed professor of medicine from 1st October 1994.

Prof. Woo read medicine at the University of Cambridge and received her BA, M.B. B.Ch., MA, and MD degrees in 1971, 1974, 1975 and 1988 respectively.

Prof. Woo began her medical career as house

physician at Charing Cross Hospital, UK, in 1975 and had since acquired extensive experience working in other medical centres and hospitals in the UK and Hong Kong, including West Middlesex Hospital and Brompton Hospital in the UK, and United Christian Hospital, Queen Mary Hospital, and Nethersole Hospital in Hong Kong. Prof. Woo joined The Chinese University as lecturer in medicine in 1985. She was promoted to senior lecturer rank in 1989 and reader in 1992.

Prof. Woo is a fellow of the Royal Colleges of Physicians of Edinburgh and London.

Prof. Woo is married, and has two children.



UN Organizations Find CU Campus Ideal for Regional Meetings

The World Health Organization (WHO), the United Nations Drug Control Program (UNDCP), and the International Cell Research Organization (ICRO) chose CUHK as the venue of their regional meetings in August 1994.

WHO and UNDCP hosted a training course on the prevention of drug abuse and HIV infection from 1st to 20th August. The first of its kind in the western Pacific, the course trained frontline workers from China, Hong Kong and Macau how to help people overcome problems of drug abuse and HIV infection. Participants visited local treatment and rehabilitation centres and obtained first-hand experience of dealing with substance abuse and AIDS. The University's Department of Psychiatry was a coorganizer of the training course.

ICRO under UNESCO ran an international training course on 'Advances in Wastewater Treatment Technology' from 22nd to 27th August. Conducted by experts from Hong Kong, Taiwan, Japan and Ireland, the training course provided a forum for scholars from various parts of the world to exchange experience and share information on advances in wastewater treatment technology.

On 25th August, ICRO also presented a special symposium at the University's Cho Yiu Conference Hall. ICRO executive committee members, most of whom world renowned cell research scientists, gave talks on recent advances in cell biology. Topics

ranged from tackling the aging problem through the regulation of cellular antioxidant defence to protein kinases and cell division in cancer control.

Wei Lun Lectures

Two famous scholars visited the University in May and July 1994 and delivered public lectures sponsored by the Wei Lun Visiting Professorship/Fellowship Programme:

- Prof. Dani Rodrik, currently professor of economics and international affairs at Columbia University, gave a lecture on 17th May on the mysteries of East Asia's economic growth.



Prof. Rodrik pointed out that most East Asian countries such as Japan, Taiwan and Singapore started off in the sixties with a better educated labour force and a comparatively low degree of inequality in income and wealth distribution. These when coupled with the close and effective interaction between public bureaucracies and the private firms had contributed to the phenomenal accumulation rates in the private sector. He believed that the role of trade policy and exports had been greatly exaggerated by both adherents of liberal orthodoxy and interventionists, as sharply conflicting pictures could be portrayed as to what such government trade policies consisted of, and what their consequences were for growth. According to Prof. Rodrik, trade policy was important not because it had been exercised appropriately and with great skill, but because it had avoided egregious mistakes that could choke off growth.

Prof. Rodrik is also research associate of the

US National Bureau of Economic Research, research fellow of the Centre for Economic Policy Research, program associate of the Overseas Development Council, and senior fellow of the Institute for Policy Reform.

- The 1993 Nobel prize-winning biochemist Kary B. Mullis delivered a public lecture on 'Nucleic Acids: From Long Stringy Molecules to the Polymerase Chain Reaction' on 19th July.



Dr. Mullis revealed to the CUHK audience how a drive through the moonlit mountains of California had given him the inspiration for the polymerase chain reaction (PCR) technique, which is now a standard laboratory tool for genetic research.

Inside every living cell on the planet Earth are nucleic acids, along whose long stringy molecules are written instructions that govern the structural detail of every living creature. And PCR is a simple method that can make unlimited copies of such hereditary material (or DNA) that exists in all living organisms.

The technique has widespread applications, from copying DNA contained in a drop of dried blood at the scene of a crime to obtaining significant amounts of genetic material from a single molecule of DNA found in plant or animal fossils.

'DNA has been tamed, and all the information it contains is in our hands In it we can find traces of our past, and if we can use it wisely it will help us direct our future towards peace and prosperity for all mankind,' Dr. Mullis said.

Dr. Mullis now works in La Jolla, California, as a private consultant on the PCR technology and nucleic acid chemistry.

The Li and Fung Lecture on US Trade Policy

Dr. C.F. Bergsten, director of the Institute for International Economics at Washington DC, gave a public lecture on US Trade Policy on 1st June at the Hong Kong Convention and Exhibition Centre as the guest speaker of the Li and Fung Lecture organized by the MBA programmes of the University.



Dr. Bergsten is also chairman of the Competitiveness Policy Council which advises the US President and Congress on issues pertaining to the competitiveness of the American economy.

In his lecture entitled 'The Trade Policy of the United States towards East Asia and the World', Dr. Bergsten concluded that it was the United States who took the initiative to liberalize and globalize the world trading system in 1993. Congressional ratification of the NAFTA, the Seattle Summit, and the successful conclusion of the Uruguay round of negotiation in the GATT were all efforts in this direction. While there had been disputes with Japan and China in early 1994, by June trade negotiations with Japan had restarted, and President Clinton had decided to continue the Most Favoured Nation treatment for China and delink the trade and human rights issues. Dr. Bergsten believed that this policy to open markets through multilateral, regional, and bilateral mechanisms would continue and that Asian countries would play a crucial role in future trade talks. He also hoped to see China rejoin the GATT very soon and contribute its share towards global trade liberalization.

The Li and Fung Lecture Programme was first established in 1981 under the auspices of the MBA programmes and is sponsored by the Li and Fung Group of Companies.

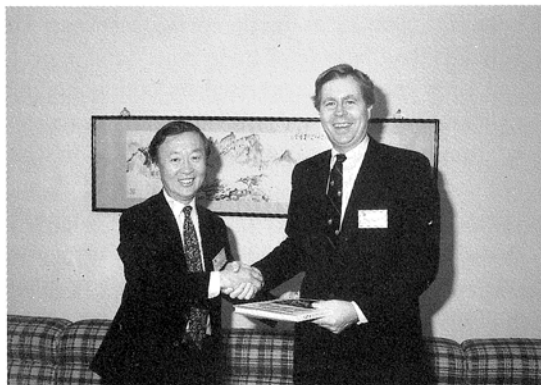
Visitors from University of Toronto and Yale

High level delegations from the University of Toronto and Yale University visited CUHK to reaffirm existing academic ties and foster new linkages.

Led by their president Prof. Robert Prichard, senior academics from the University of Toronto arrived in Hong Kong on 9th May and were warmly received by CUHK vice-chancellor Prof. Charles Kao. The two universities signed an agreement in 1992 to promote research collaboration and student exchange, and on this basis, a tripartite link has been established with the Commission of Science and Technology in China to facilitate biomedical research. The three parties will work together on such significant projects as the mega-sequencing of human cardiac DNA. Research results are likely to benefit pharmaceutical industries in the three places and bring improvement to their health systems. During their visit, representatives from the University of Toronto also discussed with senior officers of this university how academic exchange and joint research could be expanded to cover areas of mutual interest.

Four days later on 13th May, the president of Yale University, Prof. Richard Levin, visited the University to forge closer ties between Yale and CUHK. Cooperation between the two institutions can be traced back to the early sixties and the most recent example of such cooperation is the 10-year South China Studies Programme. In an address made in a lunch reception held in his honour, Prof. Levin disclosed plans for more joint projects in the pipeline: the Yale-CUHK summer piano institute in Hong Kong, collaboration between the art galleries of the

Prof. Kao presents a souvenir to President Robert Prichard of the University of Toronto.



two universities, and the Hong Kong-Yale initiative on cancer research and environmental studies.

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:

- Prof. Yeung Yue-man of the Department of Geography, as a member of the Town Planning Board, and its Metro Planning Committee from 8th April 1994.
- Dr. Leslie N.K. Lo, dean of education, as a member of the Council of the Hong Kong Institute of Education for two years from 25th April 1994.
- Prof. Tzong-biau Lin of the Department of Economics, as a member of the Air Transport Licensing Authority for two years from 15th May 1994.
- Prof. Charles K. Kao, vice-chancellor of the University, as a member of the Board of the Hong Kong Industrial Technology Centre Corporation for one year from 1st June 1994.
- Prof. Thomas C.W. Mak of the Department of Chemistry, as a member of the Hong Kong Council for Academic Accreditation for two years from 8th June 1994.
- Mr. Andrew W.F. Wong, lecturer in government and public administration, as a member of the Policy Complaints Committee for a period up to 31st December 1995.

The following members of the University have been nominated/renominated to represent the University on various boards and committees:

- Prof. S.W. Tam, pro-vice-chancellor, as a council member of the Open Learning Institute of Hong Kong from 20th June 1994.
- Dr. Lesile Lo, dean of education, as a member of the Hong Kong Examinations Authority from 1st August 1994.
- Prof. Allan M.Z. Chang of the Department of Obstetrics and Gynaecology, as a member of the Midwives Board for three years from 5th September 1994.
- Prof. John A. Gosling of the Department of Anatomy, as a member of the Nursing Board of Hong Kong for three years from 8th September 1994.

- Dr. Lam Kin-che, senior lecturer in geography, as a director of the Joint University and Polytechnic Admissions System (JUPAS) for the academic year 1994-95.

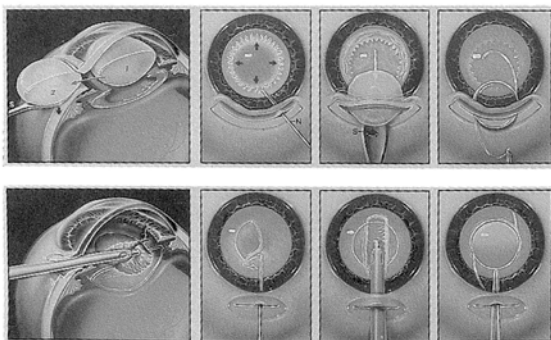
Croucher Foundation Sponsors Five More Research Projects

The Trustees of the Croucher Foundation recently pledged donations totalling HK\$2,256,700 for five research projects launched by members of the University:

- (1) HK\$600,000 for 'Molecular Cloning and Expression of Crustacean Allergens', conducted by Dr. K.H. Chu of the Department of Biology.
- (2) HK\$767,700 for 'Transgenic Study of Immunoglobulin Gene Hypermutation: Using Selectable, Chimeric E Coil gpt-VJ Gene Constructs to Investigate Role of Rearranged VJ in Hypermutation', conducted by Dr. Y.L. Chui of the Clinical Immunology Unit.
- (3) HK\$162,000 for 'Incoherent Light Scattering Studies of Spontaneously Formed Vesicles', conducted by Dr. Xia Keqing of the Department of Physics.
- (4) HK\$280,000 for 'Parallel Simulation Methods for Continuous Time Markov Chain on Maspar with Applications in Computer and Communication Systems', conducted by Dr. John C.S. Lui of the Department of Computer Science.
- (5) HK\$447,000 for 'Theoretical Modelling and Experimental Study of Multi-section DFB Lasers for Advanced Lightwave Communications', conducted by Dr. Chan Kam Tai of the Department of Electronic Engineering.

Demonstrations of Cataract Surgery Techniques

The Department of Ophthalmology and Visual Sciences hosted the Third Far East Cataract Surgery Symposium at the Hong Kong Convention and Exhibition Centre from 4th to 7th June to promote two new techniques to treat cataract patients: phacoemulsification and scleral fixation of the intraocular lens, and to provide an opportunity for eye specialists to exchange information on cataract surgeries in Asia.



Above: The conventional method of cataract extraction and intraocular implantation

Below: The new technique of phacoemulsification

Introduced to Hong Kong a few years ago, phacoemulsification means using an ultrasonic machine to melt the nucleus of the patient's lens before removing it from the eyeball, while scleral fixation is the implantation of the intraocular lens by sewing it directly to the sclera (the white of the eye) with a special needle and suture.

The symposium was attended by more than 200 experts from 20 countries, who watched demonstrations of cataract surgery televised live to them at the symposium venue. They also practised the new techniques on pigs' eyes in a hands-on wet lab session.

Centre for Financial Research on China Established

A Centre for Financial Research on China (CFRC) was established under the Asia-Pacific Institute of Business in June 1994 to launch research on China's financial markets and to provide related consultancy services. It will also promote interaction among academics and practitioners in the field and serve as a clearinghouse for data on financial markets in China.

One of the centre's immediate plans is the creation of a Financial Markets Database to support academic and applied research. The database will consist of two parts: the 'China and Hong Kong Stock Market Database' which records daily stock trading figures, financial and accounting statistics, and publicly-listed companies in China and Hong Kong; and the 'China and Hong Kong Financial Derivatives Database' which contains data on futures, options and mutual funds in China and Hong Kong.

The centre will also promote interdisciplinary, comparative and applied research on the capital markets in the area, publish research findings, develop consultancy and training programmes for the securities industries in China and Hong Kong, and organize international conferences.

CUHK Initiates Bioequivalence Studies to Ascertain Drug Quality

As a result of the rapid growth of the pharmaceutical industry in Hong Kong, many brands of the same medicine have appeared on the local market, all claiming to be effective and to contain the same amount of active drug. Some claims may be unsubstantiated, and lead to treatment failures and toxicity. It is thus essential that physicians, pharmacists and others who prescribe, dispense or purchase drugs be able to identify products that are safe and effective.

To allay doubts about the quality and efficacy of drugs and to maintain the credibility of Hong Kong's pharmaceutical industry, bioequivalence studies of local generic drugs are being initiated jointly by the departments of clinical pharmacology and pharmacy of this university. Tests will be performed to check that different brands of a certain medicine contain the same amount of drug as stated by the manufacturers and that the drug is in such a form as to be effectively absorbed by the human body.

This bioequivalence studies programme, the first of its kind in the territory, is actively supported by the Chemical and Pharmaceutical Industry Council of The Federation of Hong Kong Industries, and financed by a generous donation of HK\$500,000 from Pharmakon International Laboratory Ltd.



Chemistry Department to Run Instrumentation Workshops for Young Scientists from China

A series of instrumentation workshops for young scientists from China will be organized by the Department of Chemistry from 1995, fully utilizing a wide range of state-of-the-art research instruments within the department.

The workshops will be operated within the conceptual framework of an open chemical laboratory, the purpose of which is not to set up a separate new research laboratory but to make the modern instruments available for the training of young Chinese scientists, including those from less privileged institutions. Tentatively five summer workshops will be conducted in three years by faculty members and external experts. Trainees will gain practical knowledge of the capabilities and limitations of particular types of equipment, and acquire valuable hands-on experience in operating and maintaining them. After training, they will be less dependent on suppliers, more prepared to carry out research that requires the use of sophisticated instruments, and better able to make the right decisions when purchasing research equipment for their projects.

As the young trainees return to China and gradually advance in their careers, their ties with CUHK will continue and more opportunities for joint research are expected. The project is financed by a generous donation of HK\$2.1 million from the Lee Hysan Foundation.

New Academic Programmes

The University established a new Department of Mechanical and Automation Engineering under the Faculty of Engineering from 1st August 1994 to offer a major programme in mechanical and automation engineering.

The University has also introduced the following new academic programmes:

- Diploma Course in Management and Business for Bank Officers jointly offered by the Asia-Pacific Institute of Business and the Faculty of Business Administration from 1994-95.
- Diploma Course in Advanced Securities Market Analysis offered by the Asia-Pacific Institute of

Business from 1994-95, in conjunction with the Stock Exchange of Hong Kong.

Conferences and Lectures

- Prof. Leo Ou-fan, visiting professor of the Department of English, spoke on nationalism and modern Chinese fiction on 27th April and 4th May 1994 as the speaker of the 'Sin Wai Kin Lectures on Contemporary Chinese Culture' organized by the Research Centre for Contemporary Chinese Culture of the Institute of Chinese Studies.
- The University's Department of Curriculum and Instruction coorganized a conference on 'The Needs of the New Era' with the Curriculum Development Institute of the Education Department from 29th to 30th April 1994.
- The Faculty of Education organized two conferences: 'Streaming of Students on the Basis of Language Proficiency' on 6th May, and 'Political and Educational Changes in Hong Kong before and after 1997' on 13th May.
- The University organized the following conferences and workshop:
 - The 'Fourth International Conference on Data and Knowledge Systems for Manufacturing and Engineering', held from 2nd to 4th May 1994 in association with the University of Hong Kong, the Hong Kong University of Science and Technology, the Hong Kong Computer Society, and the Institute of Electrical and Electronic Engineers (Hong Kong Section). The function was sponsored by the Chiang Industrial Charity Foundation Ltd., the Croucher Foundation, the Fok Ying Tung Foundation, the K.C. Wong Education Foundation, Group Sense Ltd., and Sun Microsystems Inc.
 - An international conference on autonomy in language learning from 23rd to 25th June 1994.
 - A 'Workshop on Lightwave, Wireless and Network Technologies' from 22nd to 25th August 1994.
- The Department of Nursing hosted a colloquium on nurse education on 9th June 1994.
- The Department of Finance hosted an international conference entitled 'Pacific Basin: Business, Economics and Finance' from 27th to 28th May 1994. The conference was sponsored by National

Taiwan University, the Hong Kong Futures Exchange, the *Hong Kong Economic Times*, the Hong Kong-America Center, and the University's Faculty of Business Administration.

- Two research programmes under the aegis of the Hong Kong Institute of Asia-Pacific Studies organized the following functions:
 - A workshop entitled “‘Little Women’ and ‘Little Men’ — Sex Role Stereotyping and Its Ambivalence in the Development of Adolescents’ organized by the Gender Research Programme on 28th May 1994.
 - A conference on the latest economic development across the Taiwan Strait and the prospect of economic cooperation in the Asia-Pacific region, organized by the Japan and Asia-Pacific Development Research Programme from 9th to 10th June 1994. The conference was sponsored by the Ming-yu Culture Foundation (Taipei), The Chinese Economic and Trade Association (Hong Kong) and The Hong Kong and Macau Association (Taipei).
- The Department of Psychology held an International Conference on Chinese Psychology from 31st May to 2nd June 1994.
- The Department of Decision Sciences & Managerial Economics and the School of Continuing Studies jointly organized an international conference on the economic development and transformation of the ‘Four Little Dragons’ from 4th to 5th June 1994.

University Press Video Wins Awards

An instructional video package produced by The Chinese University Press won two awards: the Silver



Award of the Outstanding Community Participation Projects Award 1994, and the Best Display Award of 1994 Civic Education Display.

Entitled ‘How to Conduct School Society Meetings’, the video explains the essentials of conducting effective meetings and shows how an effective meeting can streamline the activities of a school society. The script was written by Mr. Fung Yee-wang and Ms. Teresa Siu of the Faculty of Education.

1994 Graduates

In the 1993–94 academic year, a total of 2,231 students from six faculties completed their full-time undergraduate studies: 365 from the Faculty of Arts, 482 from the Faculty of Business Administration, 354 from the Faculty of Engineering, 151 from the Faculty of Medicine, 329 from the Faculty of Science, and 550 from the Faculty of Social Science.

The part-time degree programmes on the other hand produced 208 graduates: 39 from the Business Administration Programme, 23 from the Chinese and English Programme, four from the Mathematics and Statistics Programme, 17 from the Music Programme, 26 from the Nursing Programme, 35 from the Physical Education Programme, 45 from the Primary Education programme and 19 from the Social Work Programme.

In addition, 422 students from the Faculty of Education completed their postgraduate studies leading to the Diploma in Education. Of the lot, 65 are from the one-year full-time programme, the others from the two-year part-time programmes.

Art Gallery Exhibition

The Art Gallery held an exhibition on ‘Chinese Archaic Jades from the Kwan Collection’ in its west wing gallery from 16th July to 13th November. There were 239 pieces of Chinese archaic jades from the Neolithic period to the Han dynasty, spanning a period of about 4,000 years. The diversity in form and content and the exquisite workmanship reflect different aspects of primitive religious beliefs and moral philosophies in ancient China, and demonstrate the development of the jade carving industry in the period. All exhibits were drawn from the collection of Dr. Simon Kwan, a well-known local architect and fervent Chinese art collector. □

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 The American Chamber of Commerce in Hong Kong HK\$16,000 to provide an award for a student of the Three-year MBA Programme in 1993-94.
- (2) From anonymous donors a further donation of HK\$50,000 towards the Chan Sau Lan Memorial Scholarship Endowment Fund, which provides an annual scholarship for a business administration student.
- (3) From AST Asia HK\$8,000 annually to provide two scholarships of \$4,000 each for final year students, one each from the Faculty of Business Administration and the Department of Computer Science.
- (4) From Banca Popolare di Bergamo Lit6,000,000 to provide three scholarships for students who are studying the Italian language to attend a summer course at Istituto Universitario di Bergamo in 1994.
- (5) From Banque Nationale de Paris HK\$6,000 to provide an award for a second year student of the Two-year MBA Programme who will participate in one of its student exchange programmes.
- (6) From Mr. Chan Ho-fung HK\$10,000 annually to provide an award for a second year student of the Two-year MBA Programme to participate in an exchange programme.
- (7) From Chung Hwa Travel Service HK\$80,000 annually to provide four scholarships of \$20,000 each for two postgraduate and two undergraduate students.
- (8) From Citibank, N.A. HK\$48,000 to provide two scholarships, one for a Two-year MBA student and the other for an undergraduate in either economics or business administration.
- (9) From The Incorporated Trustees of Hsin Chong — K.N. Godfrey Yeh Education Fund:
 - (a) HK\$96,000 to provide 16 bursaries of \$6,000 each for needy students;
 - (b) HK\$90,000 to sponsor the student campus work scheme in 1994-95; and
 - (c) HK\$40,000 for setting up a travel loan fund in 1994-95.
- (10) From Machiavelli Centro di Lingua e Cultura Italiana per Stranieri Lit7,875,000 to provide 25 awards of Lit315,000 each for students who are studying the Italian language to attend a summer course at Machiavelli Centro in Florence in 1994.
- (11) From Università Cattolica del Sacro Cuore Lit13,500,000 to provide 10 awards of Lit1,350,000 each for students who are studying the Italian language to attend an international workshop at Università Cattolica del Sacro Cuore in the summer of 1994.
- (12) From Università per Stranieri at Perugia Lit700,000 to provide an award for a student who is studying the Italian language to attend a summer course at the Italian University for Foreigners in Perugia in 1994.
- (13) From Università per Stranieri di Siena Lit600,000 to provide two awards of Lit300,000 each for students who are studying the Italian language to attend a summer course at Università per Stranieri di Siena in 1994.
- (14) From University Lodge of Hong Kong No.3666, E.C. HK\$6,000 to provide two bursaries of \$3,000 each.
- (15) From Younger Managers' Club HK\$16,000 to provide two scholarships for sponsoring second year students of the Two-year MBA Programme to participate in the Club's August 1994 tour to Taiwan and some other major events.
- (16) From The Federated Teochew Associations of Malaysia HK\$20,000 for the publication of the *Collected Papers on Chiu Chow Studies* undertaken by Drs. Chang Chak-yan and Tay Lian-soo of the Hong Kong Institute of Asia-Pacific Studies.
- (17) From the following donors for the publication of the *CUHK Alumni Magazine*:
 - (a) Dr. Ho Tim HK\$50,000;
 - (b) Mr. Hung Hon Cheung, George HK\$100,000;
 - (c) Thomas H.C. Cheung Foundation Ltd. HK\$150,000; and
 - (d) Wei Lun Foundation Ltd. HK\$300,000.
- (18) From Dr. Lim Buan-chay US\$4,500 for the publication of the *Collected Papers on Chinese Grammar and Rhetoric* under the auspices of Ng Tor-Tai Chinese Language Research Centre, Institute of Chinese Studies.
- (19) From various donors HK\$39,000 to sponsor the printing cost of an Art Gallery monograph *Seals of Yezhai* (治齋印存).
- (20) From Armedic Far East Ltd. HK\$59,139.60 to support a study on the treatment of overweight/obese patients undertaken by the Department of Medicine.
- (21) From Asia Foods Ltd. HK\$17,500 to support the dieting survey of school children in Beijing undertaken by the Department of Paediatrics.
- (22) From the following donors to support the heart and hypertension research undertaken by the Department of Medicine:
 - (a) Bakken Research Centre B.V. US\$5,000;
 - (b) Mr. Lai To-yeung HK\$1,000;
 - (c) Onwel Garment Holdings Ltd. HK\$750,000;
 - (d) Messrs. William Sin & So Solicitors & Notaries HK\$10,000; and
 - (e) Ting Sie-huon & Hwang Soon-choo HK\$5,000.
- (23) From Boehringer Ingelheim (HK) Ltd. HK\$25,000 and 100 packs of actilyse clinical trial samples to support a research project on accelerated re-PA trial in the Chinese in Hong Kong undertaken by the Department of Medicine.
- (24) From Bristol-Myers Squibb (HK) Ltd.:
 - (a) HK\$80,000 to support a pravachol clinical trial in the Cardiac Unit undertaken by the Department of Medicine; and
 - (b) HK\$20,000 to sponsor a staff member of the Department of Clinical Oncology to attend the American Society of Clinical Oncology meeting held in USA.
- (25) From Mr. Chan Yan-phoon HK\$20,000 to the Department of Surgery for educational and research purposes.
- (26) From Chiang Ching Kuo Foundation for International Scholarly Exchange:
 - (a) a further donation of TWD450,000 to support a study in prehistoric culture of coastal southeast China undertaken by Mr. Tang Chung of the Centre for Chinese Archaeology and Art; and

- (b) a further donation of TWD600,000 to support a project on a computerized database traditional Chinese texts undertaken by Prof. D.C. Lau of the Institute of Chinese Studies.
- (27) From Chugai Pharmaceuticals Co. Ltd. HK\$50,000 to support a clinical trial undertaken by the Department of Medicine.
- (28) From The Croucher Foundation:
- (a) HK\$618,410 to support a research project on an environmental decision support system for water pollution control of the tidal river network in the Pearl River Delta undertaken by Dr. Leung Yee of the Centre for Environmental Studies;
- (b) HK\$100,000 to sponsor a symposium on epithelial transport to be held by the Department of Physiology; and
- (c) HK\$50,000 to sponsor the sixth Asia-Pacific electron microscopy conference to be held by the Department of Anatomy.
- (29) From Cyanamid (Far East) Ltd. HK\$75,000 to support a research project on the treatment of acute cholangitis undertaken by the Department of Surgery.
- (30) From Daiichi Pharmaceutical Asia Ltd. HK\$29,000 to support the traivid otic solution trial for chronic suppurative otitis media undertaken by the Department of Surgery.
- (31) From the following donors to support the summer chemical research programme undertaken by Dr. Chan Kin-shing of the Department of Chemistry:
- (a) Dow Chemical (Pacific) Ltd. HK\$3,000; and
- (b) Shell Hong Kong Ltd. HK\$5,000.
- (32) From Eisai (HK) Co. Ltd. HK\$40,000 to support the endocrine team of the Department of Medicine to undertake a research project on methycobal tablet-injection therapy in patients with diabetic sensorimotor polyneuropathy.
- (33) From Glaxo Hong Kong Ltd.:
- (a) to the Department of Surgery HK\$113,564 to support a research study;
- (b) to the Department of Paediatrics HK\$10,000 to support a pilot study on the epidemiology of asthma in Chinese children in Hong Kong;
- (c) to the Department of Community and Family Medicine HK\$6,000 to support a research project on the prevalence of migraine and other headaches in Hong Kong;
- (d) to the Department of Medicine
- (i) HK\$15,000 to sponsor a staff member to attend the advanced geriatric medicine course at the University of Manchester, UK;
- (ii) HK\$15,000 to sponsor a staff member to attend the ninth biennial scientific meeting of the Asian Pacific Association for the Study of the Liver held in Kuala Lumpur, Malaysia; and
- (e) to the Department of Anaesthesia and Intensive Care HK\$33,000 to sponsor a staff member to attend the annual meeting of the American Society of Anaesthesiologists held in Washington, USA.
- (34) From Hong Kong Culture and Art Foundation HK\$10,000 to support the Hong Kong Performing Arts Research Programme undertaken by Dr. Leung Pui Kam of the Department of Chinese Language and Literature.
- (35) From Hong Kong Institute of Personnel Management HK\$60,000 to support a research project on human resource management strategies and practices in Hong Kong undertaken by Dr. Leung Kwok of the Department of Psychology.
- (36) From Hong Kong Society of Asia and Pacific 21 Ltd. a further donation of HK\$23,430 to support a collaborative research project on standardization versus diversity of news in China undertaken by Hangzhou University and the Department of Journalism and Communication of this university.
- (37) From Hong Kong Telecom Foundation a further donation of HK\$1,200,000 to support applied research projects in the Faculty of Engineering.
- (38) From the International Center for Economic Growth US\$2,500 to support a research project entitled 'The South China Growth Triangle: Integration of the Economics of Southeast China, Hong Kong and Taiwan' jointly undertaken by the donor and the Department of Economics.
- (39) From the International Development Research Centre US\$2,474.33 to support a research project on China's economic and demographic interactions undertaken by the Hong Kong Institute of Asia-Pacific Studies.
- (40) From Mr. Jonathan Peter King:
- (a) HK\$1,000 to the Department of Pharmacology for research purposes; and
- (b) HK\$2,000 to the Department of Obstetrics and Gynaecology for research purposes.
- (41) From Kabi Pharmacia Far East Ltd. HK\$5,000 to support a research on constructing the first set of growth standards for Hong Kong Chinese children undertaken by the Department of Paediatrics.
- (42) From KDD Hong Kong Ltd. a further donation of US\$20,000 for the International Postgraduate Research Fellowship to sponsor Mr. Hu Guoqing from Xian Jiaotong University to participate in a research on computational mathematics organized by the Department of Information Engineering.
- (43) From Kowloon Chamber of Commerce HK\$250,000 to support the programme of research utilization in education and social sciences undertaken by Prof. C.Y. To.
- (44) From Mrs. Robert Ki-cheong Li HK\$2,000 to support a research on asthma undertaken by the Department of Medicine.
- (45) From Lotus Tours Ltd. HK\$125,000 to the University for research purposes.
- (46) From Mekim Ltd. HK\$50,000 to support the spasmomem clinical trial undertaken by the Department of Medicine.
- (47) From Nutricia (Asia-Pacific) Ltd. HK\$1,500 to support bone mass research undertaken by the Department of Community and Family Medicine.
- (48) From Nutricia Research HK\$120,000 to support a research project on the effects of milk supplement on bone mass in young Chinese women undertaken by the Department of Community and Family Medicine.
- (49) From Oriental Press Charitable Fund Association:
- (a) HK\$1,000 to support the burns research programme undertaken by the Department of Orthopaedics and Traumatology;
- (b) HK\$200,000 to support the Hong Kong lupus nephritis study undertaken by the Department of Medicine;
- (c) HK\$8,674 to sponsor the Skin Bank of the Department of Surgery; and
- (d) HK\$100 to sponsor the Childhood Incontinence Combined Investigational and Therapeutic Centre of the Department of Surgery.
- (50) From Parke Davis Pty. Ltd. HK\$152,905 to support a research project on epidermal growth factor undertaken by the Department of Paediatrics.
- (51) From Pharmacia (Farmitalia Carlo Erba) HK\$140,000 to

- support a research on diabetes mellitus and dyslipidaemias undertaken by the Department of Medicine.
- (52) From Rotta Research Laboratorium US\$20,000 to support a clinical study on the effects of flouride on bone mineral density in Chinese asthmatic subjects suffering from osteoporosis undertaken by the Department of Community and Family Medicine.
- (53) From Sanofi Winthrop H.K. Ltd. HK\$58,500 to support a neurological research project undertaken by the Department of Medicine.
- (54) From Sheen Benefit International Ltd. HK\$157,000 to support research activities of the Department of Microbiology.
- (55) From Smithkline Beecham Ltd. HK\$17,870 to support a trial on the use of IV augmentin 1.2g as prophylactic at caesarian sections undertaken by the Department of Obstetrics and Gynaecology.
- (56) From SmithKline Beecham Pharmaceuticals HK\$32,000 to support a research project on hepatitis B immunity status post vaccination undertaken by the Department of Community and Family Medicine.
- (57) From the Social Services Committee of Tai Po District Board a further donation of HK\$55,000 to support a study on the needs for social services of youth in Tai Po undertaken by Dr. Law Wai On and Mr. Ngai Ngan Pun of the Department of Social Work.
- (58) From The Upjohn Co. US\$26,000 to support a project on small animal head injury undertaken by the Department of Surgery.
- (59) From Vestar, Inc. US\$12,500 to support a Ca liver research project undertaken by the Department of Clinical Oncology.
- (60) From the Working Group on Environmental Education, Tsuen Wan District Board HK\$130,000 to support a study on the possible effects of air pollution on respiratory health in Tsuen Wan District undertaken by the Department of Community and Family Medicine.
- (61) From Yam Kim Fai and Pak Suet Sin Charitable Foundation Ltd. HK\$2,000,000 to support a research programme on Cantonese opera undertaken by the Department of Music.
- (62) From Prof. Young Tse-tse, Rosie HK\$1,950 to the Department of Medicine for research purposes.
- (63) From various donors HK\$7,104.50 to support cancer research undertaken by the Department of Clinical Oncology.
- (64) From various donors HK\$70,000 to support a programme on the enhancement of diabetic care in Hong Kong undertaken by the Department of Medicine.
- (65) From Allen & Hanburys, Glaxo Hong Kong Ltd. HK\$30,000 to support a study of asthma and allergies in childhood and the Western Pacific regional meeting organized by the Department of Medicine.
- (66) From Amway Asia Pacific Ltd. to the Department of Paediatrics HK\$10,000 to sponsor the printing of education material on nutrition.
- (67) From Architectural Services Department, Hong Kong Government, HK\$2,500 to provide an award for a student of the Department of Architecture who produces the most outstanding measured drawing.
- (68) From the following donors to sponsor the Diabetes Centre of the Department of Medicine:
- (a) Armedic Far East Ltd. HK\$100,000;
 - (b) Bayer Diagnostics HK\$5,000;
 - (c) Hoechst China Ltd. HK\$5,000; and
 - (d) Swire Loxley Ltd. HK\$50,000.
- (69) From Astra Pharmaceuticals (HK) Ltd.:
- (a) to the Department of Anaesthesia and Intensive Care HK\$7,500 to sponsor a staff member to attend the inaugural annual scientific meeting of the Australian and New Zealand College of Anaesthetists;
 - (b) to the Department of Surgery HK\$53,000 to sponsor two staff members to attend the digestive disease week held in Louisiana, USA; and
 - (c) to the Department of Medicine
 - (i) HK\$28,000 to sponsor a staff member to attend the American Lung Association and American Thoracic Society annual meeting held in Boston, USA;
 - (ii) HK\$28,000 to sponsor a staff member to attend the 43rd annual scientific session of the American College of Cardiology held in Atlanta, USA.
- (70) From the following donors to support the medi-vision educational programme organized by the Department of Medicine:
- (a) Astra Pharmaceuticals (HK) Ltd. HK\$15,000;
 - (b) Bayer China Co. Ltd. HK\$10,000;
 - (c) Burroughs Wellcome & Co. (HK) Ltd. HK\$5,000; and
 - (d) Wyeth (HK) Ltd. HK\$3,000.
- (71) From the following donors to support an exhibition and a symposium on tertiary art education in mainland China, Taiwan and Hong Kong organized by the Department of Fine Arts and the Art Gallery:
- (a) B.Y. Lam Foundation Ltd. HK\$265,000; and
 - (b) Bei Shan Tang Foundation Ltd. HK\$78,000.
- (72) From the following donors to support a study of asthma and allergies in childhood organized by the Department of Medicine:
- (a) Prof. Richard Beasley HK\$89,250; and
 - (b) Fisons Pharmaceuticals Division HK\$10,000.
- (73) From Beckman Instruments (HK) Ltd. HK\$1,500 to sponsor a staff member of the Department of Chemical Pathology to attend the 21st world congress of medical technology.
- (74) From the following donors to support a programme on diabetic service in New Territories East organized by the Department of Medicine:
- (a) Boehringer Mannheim China Ltd. HK\$5,000; and
 - (b) Eli Lilly Asia Inc. HK\$5,000.
- (75) From Miss Chan Mei-ling HK\$2,300 towards the Children's Cancer Fund of the Department of Paediatrics.
- (76) From the following donors towards the Dr. Law Yu Fai Memorial Fund:
- (a) Mr. Chan Yan-lam HK\$300;
 - (b) Hiromi Hoshino ¥20,000; and
 - (c) Mr. George W. Lee HK\$10,000.
- (77) From Cheng Suen Man Shook Foundation HK\$36,000 to sponsor the Chinese Pathologist Fellowship Programme jointly organized by the Hong Kong Division of International Academy of Pathology and the Department of Anatomical and Cellular Pathology.
- (78) From Cheung Kong (Holdings) Ltd. a further donation of HK\$200,000 to sponsor the Chinese Law Programme.
- (79) From Ciba Pharmaceuticals HK\$28,806.75 to sponsor a staff member of the Department of Medicine to attend a scientific meeting held at Stratford, UK.
- (80) From Communicore, Inc. US\$1,440 to sponsor a staff member of the Department of Anaesthesia and Intensive Care to attend a scientific meeting held in USA.
- (81) From Duncan Flockhart Division, Glaxo Hong Kong Ltd. HK\$28,000 to sponsor a staff member of the Department

- of Medicine to attend a meeting of the European Atherosclerosis Society held in Scotland, UK.
- (82) From the following donors to sponsor the Portman course on functional microsurgery of the ear and a workshop on the Hong Kong Flap in open mastoid surgery organized by the Department of Surgery:
- (a) Glaxo Hong Kong Ltd. HK\$50,000;
 (b) Medsi Co. HK\$20,000; and
 (c) The Vita Co. HK\$5,000.
- (83) From Glaxo Hong Kong Ltd., Glaxo Laboratories HK\$13,000 to sponsor a staff member of the Department of Surgery to attend the fourth world congress of endoscopy surgery held in Kyoto, Japan.
- (84) From the following donors to sponsor the functional endoscopic sinus surgery course/workshop organized by the Department of Surgery:
- (a) Goodman Medical Supplies Ltd. HK\$24,000;
 (b) Marion Merrell Dow Pharmaceuticals Inc. HK\$7,000; and
 (c) Wellink Ltd. HK\$3,000.
- (85) From Hing Tak Charity Co. Ltd. HK\$30,000 to sponsor a workshop on exocrine secretion to be held by the Department of Physiology.
- (86) From The Hongkong Bank Foundation HK\$19,000 to sponsor student activities in 1994–95.
- (87) From Hong Kong Student Travel Ltd. HK\$15,000 to sponsor members of the University's student union executive committee to participate in activities overseas such as visits to other universities and attending international conferences and training/exchange programmes.
- (88) From The Hong Kong College of General Practitioners HK\$10,000 to sponsor the college's 1994 visiting professorship organized by the Department of Community and Family Medicine.
- (89) From Howmedica International US\$6,495 to sponsor a staff member of the Department of Orthopaedics and Traumatology to attend the total joint replacement meeting to be held in Singapore.
- (90) From The Huang Hsing Foundation Inc. US\$3,250 to sponsor three scholars from China to take part in academic exchange organized by the Office of Academic Links.
- (91) From Inchcape JDH Ltd. HK\$17,026.24 to sponsor a staff member of the Department of Anaesthesia and Intensive Care to attend an international meeting in Australia.
- (92) From Janssen Pharmaceutica HK\$25,000 to sponsor a staff member of the Department of Medicine to attend the sixth international symposium of IgA nephropathy held in Adelaide, Australia.
- (93) From Johnson & Johnson Medical Hong Kong to the Department of Surgery:
- (a) HK\$200,000 to sponsor an endosurgery stapling workshop; and
 (b) HK\$200,000 to sponsor its Endosurgery Laboratory.
- (94) From Mr. Li Kam-chung HK\$4,000 to sponsor Prof. Song Ding Guo's visit to the Department of Philosophy.
- (95) From Lingnan Foundation US\$45,000 to sponsor visits of graduate students or visiting scholars from the PRC to the Department of English.
- (96) From the following donors to sponsor a conference on economic development across the strait and economic cooperation in Asia-Pacific region organized by the Hong Kong Institute of Asia-Pacific Studies:
- (a) Lippo Group HK\$20,000; and
 (b) Ming-yu Culture Foundation HK\$50,000.
- (97) From Ms. Stella Lo HK\$500 to sponsor activities organized by the Office of General Education.
- (98) From Merck Sharp & Dohme (Asia) Ltd. HK\$14,000 to sponsor a staff member of the Department of Clinical Pharmacology to attend an international meeting held in Melbourne, Australia.
- (99) From Merck Sharp & Dohme (China) Ltd. HK\$2,740 to sponsor a staff member of the Department of Chemical Pathology to attend the Lipid University Programme held in Hangzhou, China.
- (100) From the following donors to sponsor the third Commonwealth conference on diarrhoea and malnutrition to be jointly organized by the Hong Kong Paediatrics Society and the Department of Paediatrics:
- (a) Nestle China Ltd. HK\$100,000;
 (b) The South Island School HK\$10,000;
 (c) World Vision Hong Kong HK\$12,559;
 (d) Oxfam Hong Kong HK\$32,547; and
 (e) Shatin College HK\$4,000.
- (101) From Mrs. Mary New US\$1,000 to sponsor the Peter K. New Research Fellowship of the Department of Sociology.
- (102) From North District Board, Hong Kong Government HK\$55,000 to sponsor a project on the heritage of the North District undertaken by Dr. Ng Lun Ngai-ha of the Department of History.
- (103) From Olympus Optical Co. Ltd. HK\$36,000 to sponsor the endoscopy training of the Department of Surgery.
- (104) From the following donors to sponsor the 1993 Quentin Pan Lectures organized by the Department of Anthropology held in Beijing:
- (a) Dr. Shirley N. Pan US\$4,000;
 (b) Dr. Francis K. Pan HK\$30,000;
 (c) Mr. Robert Yuen HK\$30,000; and
 (d) Mr. Elmer Yuen HK\$30,000.
- (105) From Ronald Lu & Partners (HK) Ltd. HK\$25,000 to sponsor the Ronald Lu & Partners Visiting Lectureship of the Department of Architecture.
- (106) From the Rowing Club of The Chinese University of Hong Kong HK\$2,554 to sponsor the Hong Kong Cancer Institute.
- (107) From Sandoz Pharmaceuticals Ltd. HK\$30,000 to sponsor a staff member of the Department of Medicine to attend the digestive disease week held in Louisiana, USA.
- (108) From Schering-Plough to the Department of Clinical Oncology:
- (a) HK\$7,500 to sponsor a staff member to attend the MD Anderson Clinical Exchange, Preceptorship Programmes held in Texas USA; and
 (b) HK\$400 to sponsor a staff member to attend the second clinical conference of the International Myeloma Foundation held in Singapore.
- (109) From Siemens Ltd. HK\$17,000 to sponsor three staff members of the Department of Anaesthesia and Intensive Care to attend the first critical care nursing symposium and workshop held in Singapore.
- (110) From Stryker Pacific Ltd. HK\$60,000 to sponsor the video thoracoscopic surgical workshop organized by the Department of Surgery and the University's Animal House.
- (111) From Trinity Trading Co. Ltd. HK\$9,290 to sponsor a staff member of the Department of Surgery to attend a symposium on prostavasin held in Cairo, Egypt.
- (112) From Warner Lambert (HK) Ltd. to the Department of Medicine:
- (a) HK\$6,157 for the Endocrine Team to purchase a laser writer; and

- (b) HK\$25,000 to sponsor a staff member to attend the 54th annual meeting and scientific sessions of the American Diabetes Association and the 76th annual meeting of the Endocrine Society held in USA.
- (113) From Wei Lun Foundation Ltd. HK\$650,000 to The Chinese University Press for the establishment of a Textbooks Publication Fund.
- (114) From K.C. Wong Education Foundation:
- (a) HK\$60,000 to sponsor the workshop on chemical synthesis of DNA/RNA and PCR technology organized by the Department of Anatomy;
- (b) HK\$100,000 to sponsor 20 delegates from mainland China to attend the 10th international conference on integrated optics and optical fibre communication to be held at the University;
- (c) HK\$15,000 to sponsor the visit of Prof. Lu Yong-chang of Zhejiang University to the Department of Systems Engineering; and
- (d) HK\$27,600 to sponsor the visit of Prof. Fei Xiao-tong of Peking University to the Department of Anthropology and the Department of Sociology.
- (115) From Mr. Kam C. Wong HK\$10,000 to the Universities Service Centre for staff development.
- (116) From Mr. David T.K. Wue HK\$300,000 to provide two postgraduate studentships for postgraduate students from Yunnan, China to conduct research in the Faculty of Engineering while studying at the University.
- (117) From various donors HK\$140,240 to sponsor the CUHK 30th anniversary banquet.
- (118) From various donors HK\$94,118.88 towards The Chinese University of Hong Kong Alumni Fund.
- (119) From various donors HK\$51,000 to sponsor the Department of Psychiatry to participate in the Prince of Wales Hospital Open Day activities.
- (120) From various donors HK\$1,091,930 towards The Hong Kong Paediatric Bone Marrow Transplant Fund of the Department of Paediatrics.
- (121) From various donors gifts and donations totalling HK\$2,956,553.81 to Chung Chi College from October 1992 to March 1994.
- (122) From various donors gifts and donations totalling HK\$2,788,001.35 to New Asia College from July 1992 to June 1993.
- (123) From various donors gifts and donations totally HK\$5,511,650 to United College from July 1992 to June 1993.
- (124) From Hong Kong Lee Gardens Hotel furniture and equipment to the University Guest House System.
- (125) From Motorola Semiconductors Hong Kong Ltd. one lot of test instruments to the Department of Information Engineering.
- (126) From various donors 72 items of art objects to the Art Gallery from August 1993 to March 1994.
- (127) From AT & T Global Information Solutions (Hong Kong) Ltd. HK\$10,000 annually to provide a scholarship for an outstanding student of the Faculty of Business Administration or the Faculty of Engineering on a rotation basis.
- (128) From British-American Tobacco Co. (HK) Ltd. HK\$24,000 annually to provide two scholarships for third year students of part-time degree programmes.
- (129) From Mr. Choi Ying-choy:
- (a) HK\$4,500 annually to provide a prize for a student of part-time degree programmes; and
- (b) HK\$4,500 annually to provide a prize for a part-time student of the Nursing Programme.
- (130) From Coopers & Lybrand HK\$24,000 annually to provide a scholarship for a business administration student concentrating in accountancy.
- (131) From Ernst & Young:
- (a) HK\$24,000 annually to provide a scholarship for an outstanding student majoring in professional accountancy; and
- (b) HK\$10,000 to sponsor the publication of *A Summary Report on the Employment Survey of 1993 Graduates*.
- (132) From Exxon Chemical International — Asia Ltd. HK\$24,000 to provide a scholarship for a student of the Two-year MBA Programme.
- (133) From First Pacific Bank Ltd. HK\$24,000 to provide a scholarship for a student of the Two-year MBA Programme.
- (134) From The Glorious Sun (Holdings) Ltd. HK\$20,000 annually for two years to provide two awards of \$10,000 each for second year students of the Two-year MBA Programme to participate in exchange programmes.
- (135) From The Hong Kong Institute of Company Secretaries HK\$2,700 annually to provide three prizes for business administration students.
- (136) From Hong Kong Oxygen & Acetylene Co. Ltd. HK\$5,000 annually to provide a prize for a medical student.
- (137) From Hong Kong Society of Clinical Chemistry HK\$700 annually to provide a book prize for a medical student.
- (138) From The Hong Kong Society of Community Medicine HK\$1,500 annually to provide a prize for a group of medical students.
- (139) From The Incorporated Trustees of Chiap Hua Cheng's Foundation HK\$240,000 annually to provide 10 scholarships for outstanding students.
- (140) From Miss Leung Pui Han Scholarship Fund HK\$50,000 to provide a number of bursaries for needy students in 1994–95.
- (141) From Li Po Chun Charitable Trust Fund Committee:
- (a) HK\$40,000 to provide two scholarships of \$20,000 each for full-time postgraduate students in 1994–95; and
- (b) HK\$170,000 to provide 10 scholarships of \$17,000 each for full-time undergraduate students in 1994–95.
- (142) From M.C. Packaging (Hong Kong) Ltd. HK\$6,000 annually to provide a scholarship for a computer science student.
- (143) From McDonald's Restaurants (Hong Kong) Ltd. HK\$30,000 annually to provide two scholarships for business administration students.
- (144) From The Shaw Foundation Hong Kong Ltd. HK\$200,000 annually to provide Mona Fong Bursaries for needy students of Shaw College.
- (145) From Standard Chartered Bank HK\$45,000 annually to provide three scholarships for business administration students.
- (146) From Television Broadcasts Ltd. HK\$6,000 annually to provide a scholarship for a postgraduate student in communication.
- (147) From University Lodge of Hong Kong No. 3666, E.C. HK\$6,000 to provide a bursary in 1994–95.
- (148) From Madam Woo Yeung Ming-lau HK\$50,000 for the establishment of an endowment fund to provide an annual scholarship for an outstanding student of the Faculty of Education.
- (149) From Bei Shan Tang Foundation Ltd.:

- (a) US\$3,250 to sponsor a joint project conducted by the Institute of Chinese Studies and the Music Department of Harvard University to publish a festschrift in honour of Prof. Rulan Piau;
- (b) HK\$6,720 to sponsor Mr. Han Yuxi's visit to the Art Gallery;
- (c) HK\$8,976.10 to sponsor an international conference on *ya zhang* and painted potteries organized by Mr. Tang Chung of the Centre for Chinese Archaeology and Art; and
- (d) HK\$120,000 to sponsor Prof. Jao Tsung-i's project on Shang oracle bones.
- (150) From Epson Foundation HK\$100,000 to sponsor the printing cost of the programme for the 10th international conference on integrated optics and optical fibre communication to be hosted by the University.
- (151) From Overseas Chinese Culture and Education Foundation HK\$10,000 to sponsor the publication of the *Report on Overseas Chinese Studies* undertaken by Drs. Chang Chak-yan and Tay Lian-soo of the Hong Kong Institute of Asia-Pacific Studies.
- (152) From Swire Loxley Ltd. HK\$2,000 for the publication of *Living with Diabetes* undertaken by the Diabetes and Endocrine Centre of the Department of Medicine.
- (153) From an anonymous donor HK\$2,222,333 to sponsor the Chinese computer systems project of the Faculty of Engineering.
- (154) From Mrs. Annis Baldock HK\$5,000 to the Department of Surgery for research purposes.
- (155) From Armedic Far East Ltd. HK\$30,000 to support a study on the treatment of overweight/obese patients undertaken by the Department of Medicine.
- (156) From the following donors to support a study of asthma and allergies in childhood undertaken by the Department of Medicine:
- (a) Astra Pharmaceuticals (HK) Ltd. HK\$10,000; and
- (b) Prof. Richard Beasley HK\$182,746.
- (157) From the following donors to the Department of Surgery for research and educational purposes:
- (a) Ms. Au Fung-ling Elisa HK\$20,000; and
- (b) Mrs. Ho Chan Po-chan HK\$50,000.
- (158) From Mr. Chang Chun-kit HK\$10,000 to support a research project on atherosclerosis in the Chinese undertaken by the Department of Medicine.
- (159) From Chiang Ching Kuo Foundation for International Scholarly Exchange:
- (a) US\$13,833 to support a research project on traditional musicians in Shanxi undertaken by Prof. Chiao Chien of the Department of Anthropology;
- (b) US\$9,163 to support a research project on economic culture and behaviour in Chinese society undertaken by Dr. Lui Tai-lok of the Department of Sociology;
- (c) US\$10,150 to support a research project on the Mazu Temple undertaken by Dr. Joseph Bosco of the Department of Anthropology;
- (d) US\$11,699 to support a research project on comparative study of Taoist music undertaken by Dr. Tsao Pen-yeh of the Department of Music;
- (e) a further donation of TWD700,000 to support a research project on a computerized database traditional Chinese texts;
- (f) US\$13,158 to sponsor the second international conference on the psychotherapy for the Chinese to be held by the Department of Psychiatry; and
- (g) US\$8,458 to sponsor an international symposium on the history of the Chinese maritime customs organized by the Department of History.
- (160) From the following donors to support the Japan and Asia-Pacific Development Research Programme undertaken by the Hong Kong Institute of Asia-Pacific Studies:
- (a) Chinese Economic and Trade Association HK\$10,000;
- (b) Mr. Gao Wen-fan HK\$30,000; and
- (c) Taiwan Businessmen's Association (HK) Ltd. HK\$20,000.
- (161) From District Grand Lodge of Hong Kong and the Far East:
- (a) HK\$30,000 to support a project on optimizing the diagnosis and management of the commonest cause of snake bite in Hong Kong undertaken by the Department of Clinical Pharmacology; and
- (b) HK\$30,000 to support a project on video recording of Hong Kong artists undertaken by the Department of Fine Arts.
- (162) From E.I. Du Pont de Nemours & Co. US\$750 to sponsor research activities undertaken by Dr. Henry N.C. Wong of the Department of Chemistry.
- (163) From Ferring Pharmaceuticals Ltd. HK\$80,000 to support a study on primary nocturnal enuresis in Hong Kong children undertaken by the Department of Surgery.
- (164) From Hong Kong AIDS Foundation HK\$20,000 to support the 1994 AIDS and family survey undertaken by the Centre for Clinical Trials and Epidemiological Research.
- (165) From Hong Kong Society of Digestive Endoscopy HK\$500,000 to support the gastrointestinal endoscopic research undertaken by the Department of Surgery.
- (166) From Hong Kong Telecom Foundation HK\$400,000 to support the applied research projects in the Faculty of Engineering.
- (167) From Mr. Jansen C. Jen HK\$30,000 to the Department of Anatomy for research purposes.
- (168) From Mr. Liang Kwok-lih HK\$25,000 to support the cardiology research project of the Department of Medicine.
- (169) From Merck Sharp & Dohme (Asia) Ltd.:
- (a) to the Department of Medicine US\$23,000 to support a research study;
- (b) to the Department of Chemical Pathology
- (i) HK\$2,700 to sponsor a staff member to attend the Asian-Pacific congress on lipid risk factor control;
- (ii) HK\$3,500 to sponsor a staff member to attend the 1994 ASEANZ Lipid Forum; and
- (c) to the Department of Surgery HK\$7,040 to sponsor a staff member to attend the postgraduate programme in gastroenterology.
- (170) From Mr. & Mrs. C. Lee HK\$1,000,000 to support a programme of research utilization in the social sciences and education undertaken by Prof. C.Y. To.
- (171) From Miss Ng Yim-mui HK\$15,000 to support a research programme on Cantonese opera undertaken by the Department of Music.
- (172) From Oriental Press Charitable Fund Association:
- (a) to the Department of Orthopaedics and Traumatology HK\$3,450 to support the burns research project; and
- (b) to the Department of Surgery
- (i) HK\$5,002 to sponsor the Skin Bank;
- (ii) HK\$6,000,400 to sponsor the Burns Foundation;
- (iii) HK\$455,900 for the purchase of ultrasonic surgical aspirator for burns patients.
- (173) From Rhone-Poulenc Asia Ltd. US\$2,300 to support an in vitro study undertaken by the Department of Microbiology.

- (174) From Sandoz Foundation for Gerontological Research AUD15,000 to support a study on risk factors for falls among the community-dwelling Chinese elderly undertaken by the Department of Community and Family Medicine.
- (175) From Sandoz Pharmaceuticals Ltd.:
- (a) to the Department of Medicine
 - (i) HK\$30,000 to support a study for hypertension research with renpress;
 - (ii) HK\$66,000 to support the LESCOL study in renal transplant patients;
 - (b) to the Department of Chemical Pathology HK\$30,000 to support a study for hypertension research with renpress; and
 - (c) to the Department of Clinical Pharmacology HK\$58,000 to support a study for hypertension research with renpress.
- (176) From Sanofi Winthrop H.K. Ltd.:
- (a) HK\$58,500 to support the neurological research project undertaken by the Department of Medicine;
 - (b) HK\$23,540 to sponsor a staff member of the Department of Paediatrics to attend an European congress of epileptology held in Portugal; and
 - (c) HK\$25,000 to sponsor two staff members of the Department of Surgery to attend the ninth international symposium on intracranial pressure held in Nagoya, Japan.
- (177) From School Medical Service Board HK\$60,000 to support an epidemiological study of morbidity and allergies among students undertaken by the Department of Community and Family Medicine.
- (178) From Serono Singapore Pte. Ltd. HK\$50,000 to support a clinical trial on portal hypertensive gastropathy undertaken by the Department of Medicine.
- (179) From SmithKline Beecham Ltd. to the Department of Community and Family Medicine:
- (a) HK\$30,000 to support a research project on the prevalence of depressive disorder among Chinese in Hong Kong; and
 - (b) HK\$5,000 to sponsor the 1994 Hong Kong College of General Practitioners Visiting Professorship.
- (180) From Sun Hing Shing (Group) HK\$80,000 to support research projects on heart and hypertension undertaken by the Department of Medicine.
- (181) From the Social Services Committee of Tai Po District Board a further donation of HK\$45,000 to support a study on the needs for social services of youth in Tai Po undertaken by Dr. Law Wai-on and Mr. Ngai Ngan-pun of the Department of Social Work.
- (182) From Warner Lambert (HK) Ltd. HK\$50,000 to support a clinical study on gabapentin undertaken by the Department of Medicine.
- (183) From Alcon Health Care Products Ltd. HK\$3,000 to sponsor a lecture on clinical management of primary and secondary glaucomas organized by the Department of Ophthalmology and Visual Sciences.
- (184) From the following donors to sponsor the 1995 international conference on control and information to be organized by the Department of Mathematics and the Institute of Mathematical Sciences:
- (a) The American GNC Corporation US\$3,000;
 - (b) Hong Kong Baptist College HK\$10,000; and
 - (c) Varitronix Ltd. HK\$15,972.
- (185) From an anonymous donor HK\$10,000 to sponsor the Faculty of Education to invite scholars of the Guangdong College of Education in Guangzhou to visit the University.
- (186) From Armedic Far East Ltd. HK\$10,630 to sponsor a staff member of the Department of Medicine to attend the seventh congress of the Asean Federation of Endocrine Societies held in Kuala Lumpur, Malaysia.
- (187) From Astra Pharmaceuticals (HK) Ltd. HK\$40,000 to sponsor a staff member of the Department of Medicine to attend the third United European Gastroenterology Week held in Oslo, Norway.
- (188) From the following donors to sponsor a staff member of the Department of Medicine to attend two international conferences on cardiology held in Berlin, Germany:
- (a) Astra Pharmaceuticals (HK) Ltd. HK\$60,000; and
 - (b) BioCare Ltd. HK\$18,000.
- (189) From Australian Society of Anaesthetists (South Australia Branch) AUD3,622 to sponsor a staff member of the Department of Anaesthesia and Intensive Care to attend a conference on general anaesthesia held in Australia.
- (190) From the following donors towards the Dr. Law Yu-fai Memorial Fund:
- (a) Ms. Belina Raffy US\$250; and
 - (b) Linden Educational Services US\$25.
- (191) From the following donors to support the talk 'Living with Diabetes' organized by the Diabetes and Endocrine Centre of the Department of Medicine:
- (a) Boehringer Mannheim China Ltd. HK\$2,000;
 - (b) Johnson & Johnson Medical Hong Kong HK\$2,000;
 - (c) United Italian Corporation (HK) Ltd. HK\$2,000; and
 - (d) Weston Pharmaceutical Ltd. HK\$2,000.
- (192) From Bristol-Myers Squibb (HK) Ltd. HK\$4,079 for the purchase of an audio vision colour display in the Department of Medicine.
- (193) From the following donors to sponsor the 10th international conference on integrated optics and optical fibre communication to be hosted by the University:
- (a) The Chen Hsong Group HK\$390,000;
 - (b) The Croucher Foundation HK\$100,000;
 - (c) Fok Ying Tung Foundation Ltd. HK\$50,000; and
 - (d) Hsu Chung Ching Educational Foundation of Hong Kong HK\$100,000.
- (194) From Cheung Kong (Holdings) Ltd. a further donation of HK\$200,000 to sponsor the Chinese Law Programme.
- (195) From the following donors towards the Hong Kong Paediatric Bone Marrow Transplant Fund of the Department of Paediatrics:
- (a) Mr. Cheung Wai-nam HK\$1,000;
 - (b) Mr. Chung Cheuk-kay HK\$1,000;
 - (c) Ms. Chung Shuk-fan HK\$100;
 - (d) Mr. Lui Yun-lam HK\$5,000;
 - (e) Mr. Pau Kit-kwan HK\$20,000;
 - (f) Mr. Tang Man-chau HK\$500; and
 - (g) Wings Trading Co. HK\$20,000.
- (196) From the following donors to sponsor family medicine development undertaken by the Department of Community and Family Medicine:
- (a) Dr. Chiu Kun-ming HK\$7,000; and
 - (b) Dr. Choi Kin HK\$6,000.
- (197) From Consulate General of France HK\$78,431.37 to support the summer study programme in France organized by Mr. A.C. Rezelman of the French Studies Programme.
- (198) From the following donors to sponsor the workshop on lightwave, wireless and networking technologies organized by the University:
- (a) The Croucher Foundation HK\$100,000; and

- (b) Hong Kong Telecommunications Ltd. HK\$1,500,000.
- (199) From The D.H. Chen Foundation HK\$100,000 for the establishment of a student loans fund in Shaw College.
- (200) From the following donors to sponsor a symposium on exocrine secretion to be held by the Department of Physiology:
- (a) The D.H. Chen Foundation HK\$50,000; and
- (b) Wei Lun Foundation Ltd. HK\$50,000.
- (201) From Friends of the Art Gallery HK\$22,000 to support the Sir Edward Youde Summer Work-study Programme undertaken by the Art Gallery.
- (202) From Glaxo Hong Kong Ltd. to the Department of Paediatrics:
- (a) HK\$15,000 to sponsor two staff members to attend an international congress on bone marrow transplantation held in Beijing;
- (b) HK\$15,000 to sponsor a staff member to attend an international meeting on asthma management held in Singapore; and
- (c) HK\$40,000 to sponsor a staff member to attend the 30th annual meeting of the American Society of Clinical Oncology held in Texas, USA.
- (203) From Duncan Flockhart Division, Glaxo Hong Kong Ltd. HK\$50,000 to sponsor a symposium on current trends in cancer care to be held by the Department of Clinical Oncology.
- (204) From Goldlion (Far East) Ltd. HK\$85,000 for the establishment of a student campus work scheme.
- (205) From Hang Seng Bank Ltd. HK\$40,000 to sponsor students' extracurricular activities in 1994-95.
- (206) From the following donors towards The Chinese University of Hong Kong Deaf Education Fund:
- (a) Hong Kong Association of Secretaries Ltd. HK\$50,000; and
- (b) Mr. Ko Wai-man Raymond HK\$450.
- (207) From The Hong Kong Cancer Fund (EORTC) HK\$408,060 to sponsor the recruitment of a research associate in the Department of Clinical Oncology for one year.
- (208) From Johnson & Johnson Medical Hong Kong HK\$8,000 to sponsor a staff member of the Department of Obstetrics and Gynaecology to attend an European congress of gynaecologic endoscopic surgery held in Rome, Italy.
- (209) From the following donors to sponsor two staff members of the Department of Surgery to attend the fourth world congress of endoscopic surgery held in Kyoto, Japan:
- (a) Johnson & Johnson Medical Hong Kong HK\$14,000; and
- (b) Y.C. Woo & Co. Ltd. HK\$14,000.
- (210) From K.C. Wong Education Foundation:
- (a) HK\$6,201 to sponsor Dr. C.F. Cheung of the Office of General Education to give lectures in China; and
- (b) HK\$15,000 to sponsor Dr. Zhang Le Ming, president of Ningbo No. 2 Hospital, to visit the Department of Orthopaedics and Traumatology.
- (211) From Lee Hysan Foundation Ltd. HK\$706,000 to sponsor a series of workshops on open chemistry laboratory organized by the Department of Chemistry.
- (212) From Lippo Group HK\$100,000 to support a programme on urban and regional development in Pacific Asia organized by the Hong Kong Institute of Asia-Pacific Studies.
- (213) From Dr. Ma Tao-che, John HK\$4,330 to sponsor the Diabetes Centre of the Department of Medicine to purchase a video TV set.
- (214) From Novo Nordisk A/S HK\$3,920 to sponsor a staff member of the Department of Paediatrics to attend the seventh congress of the ASEAN Federation of Endocrine Societies held in Kuala Lumpur, Malaysia.
- (215) From Nutricia (Asia-Pacific) Ltd. HK\$8,000 to sponsor a staff member of the Department of Paediatrics to attend the first Asian conference on dietetics to be held in Jakarta, Indonesia.
- (216) From Pfizer Corporation HK\$50,000 to sponsor the Paediatric Surgery Unit of the Department of Surgery.
- (217) From Pharmacia, Hong Kong HK\$30,000 to sponsor a staff member of the Department of Ophthalmology and Visual Sciences to attend a symposium on cataract, IOL and refractive surgery held in Boston, USA.
- (218) From the following donors to sponsor the 1994 Quentin Pan Lectures to be presented by the Department of Anthropology:
- (a) Mr. Robert Yuen HK\$30,000; and
- (b) Tele-Art Ltd. HK\$30,000.
- (219) From Rotary Club of Shatin HK\$10,000 to support the English Camp project undertaken by the Department of English held at Nanjing University.
- (220) From Schwarz Pharma AG HK\$21,237 to sponsor a staff member of the Department of Medicine to attend the 15th congress of the European Society of Cardiology held in Nice, France.
- (221) From Sino Land Co. Ltd. HK\$80,000 to sponsor the Silver Jubilee Symposium of the Commonwealth Geographical Bureau to be held by the Hong Kong Institute of Asia-Pacific Studies.
- (222) From Soma International Ltd. HK\$30,000 to provide a number of loans for needy students in 1994-95.
- (223) From the United Board for Christian Higher Education in Asia US\$18,000 to sponsor Mr. Guo Xue-li from Shaanxi Normal University and Mr. Tang Yu-guang from East China Normal University to visit the Faculty of Education.
- (224) From various donors HK\$29,204.50 towards The Chinese University of Hong Kong Alumni Fund.
- (225) From various donors HK\$213,151.31 for the 1000-Alumni Name Campaign in celebration of the 30th anniversary of the University.
- (226) From various donors gifts and donations totalling HK\$3,173,571.50 to New Asia College from July 1993 to June 1994.
- (227) From various donors gifts and donations totalling HK\$1,514,952 to United College from July 1993 to June 1994.
- (228) From Wearmax Ltd. HK\$20,000 to support the workshop on chemical synthesis of DNA/RNA and PCR technology organized by the Department of Anatomy.
- (229) From Dr. Wilson T.S. Wang HK\$1,123,693.38 to sponsor the fifth Wilson T.S. Wang international surgical symposium organized by the Department of Surgery.
- (230) From Mr. Wong Kin-ping HK\$3,000 to sponsor the second symposium on chemistry postgraduate research in Hong Kong to be held by the Department of Chemistry.
- (231) From Yung Shing Enterprise Co. HK\$32,755 to sponsor Ms. Hu Hong of the University of International Business and Economics to visit the Faculty of Business Administration.
- (232) From The Japan Foundation reference materials on Japanese studies to the University.
- (233) From Mr. Michael Kirbride to the Architecture Library 25 volumes of *Architectural Review* and 25 volumes of *Royal Institute of British Architects Journal*. □



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