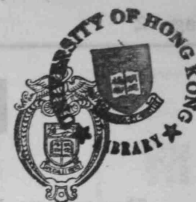


# Caduceus

21 AUG 1969



MEDICAL STUDENTS' CENTRE,  
SASSOON ROAD,  
HONG KONG.

VOLUME 1 NO. 8

OFFICIAL PUBLICATION OF THE MEDICAL SOCIETY H.K.U.S.U.

15TH AUGUST, 1969

## EDITORIAL

### Student "Leaders"

"... holy men I thought ye,  
Upon my soul, two reverend cardinal virtues;  
But cardinal sins and hollow hearts I fear ye."

— King Henry the Eighth, Shakespeare.

It was with deep surprise and regret that we recently learned that some student "leaders" were shown to be nothing better than Pharisees. How disappointed are we when we remember they were elected by us and we reassured them with our confidence not too long ago! O tempora! O mores!

A leader should have sound principles, lofty and sublime, to guide him along. Deviation from these principles is to be rejected. One cannot say that capability alone is adequate. Among his many duties, the leader is to act as a model for as well as a representative of his followers. He who governs well and yet is of unbecoming conduct is hardly justified to be called a leader. He simply misleads not only his followers but also the general public, for people say, "Qualis rex, talis grex." Shame is thereby brought upon every individual member of the group.

We demand therefore not men to fill up posts, but true leaders with high principles: principia, non homines. Both power and money may lead to corruption, but one with honesty and charity should be able to resist such temptations. History must not be permitted to repeat itself.

### Really of No Use?

It has been said that medical students are the "lowest being" in the hospital and that they serve no useful purpose at all. The validity of such statements is open to criticism, especially when we think of the friends having their specialty clerkship in obstetrics. We like to suggest that medical students are useful in some peculiar ways.

All over the world, medical students have been used as normal controls for various human medical data. A recent example in our Faculty is the Vascular Fragility Test. Every student in a certain year "volunteered" to have a Vascular Fragility Test done on him or her, and the results will be used as the normal control. Though some of the "volunteers" may not be too happy with the mode of "selection", the Editor would like to reassure them, in a fashionable way, that we have all but joined our counterparts all over the world in sharing the pride that we have, to some extent, cast a minor 'prop' which has made the advance of medical knowledge possible!

Another interesting, yet painful nickname for medical students is "the Walking Blood Bank". Mind you, the "Bank" only stores fresh blood, rich both in platelets and clotting factors. Whenever emergency need arises, a few medical students may be called upon to show their generosity by munificent blood donation. Most of the students are glad to do so because it is more blessed to give than to receive, not because they want to retort, "Who says that we are of no use!"

## STOP PRESS

### Union President Resigned

In the 7th regular meeting of the Hong Kong University Students' Union Council held from 5.30 p.m., August 8 to 3.00 a.m. August 9, it was resolved that a Vote of Censure be passed on Mr. John Lau, the Union President, for unbecoming conduct and negligence of duty in

1. failing to open application to Union members a delegates to the World Assembly of Youths Conference 1969 (to be held in Belgium);
2. applying to be a delegate to the World Assembly of Youths Conference without the proper mandate;
3. applying for external funds in the name of the Hong Kong Federation of Students before such power and right were granted to him.

The Council refused to accept any hearsay evidence on the various issues, and every accusation was backed up with 'sound'

evidences. The Vice-President of the HKFS was called up during the meeting to come out from Chung Chi College to give testimony concerning the HKFS issue. On the other hand Mr. John Lau failed to give satisfactory answer to the Council, and finally a Vote of Censure was passed on him.

The Council also resolved that Mr. John Lau and Mr. Yung Kam Chuen be withdrawn as delegates of the Hong Kong University Students' Union to the Hong Kong Federation of Students, and the HKU Students' Union Council will not be held responsible for their future action in the Hong Kong Federation of Students.

At the same meeting Mr. Lau handed in his resignation which was accepted by the Council. Mr. Rafael Hui was appointed Acting President for a month, at the end of which there will be a by-election for a new President. (C.E.)

## ORIENTATION

As part of the Familiarisation Programme organised by the 67 potential medical students visited the Medical Student Centre on the afternoon of 24th July.

As they arrived accompanied by Mr. John Lau and an official, they were welcomed by our

### VISITING FRIENDS

The Nuffield Exchange Scheme has brought us two new friends, Dr. Alastair H. Charmers and Mr. Andrew P. Brooks. Dr. Charmers has just graduated from University of Cambridge. Mr. Brooks is a fourth year medic from Sheffield.

They arrived at Hong Kong on the 16th July, 1969, and have been staying at the University Hall since.

Asked what they thought about Hong Kong since they came, they said everything was more than they expected — the sceneries were more beautiful; the city more crowded; the hostel more comfortable; the sun more hot.

They have been attending some lectures and ward-rounds. At present, they are taking the Medicine Specialty Clerkship. Mr. Brooks hopes to attend some lectures in Parasitology, a subject hardly taught in Sheffield.

Dr. Charmers said that although they could not talk with the patients here, they always managed to communicate through the nursing staff. The nurses and the patients have been very cooperative.

Both Dr. Charmers and Mr. Brooks agree that medical students in Hong Kong are more hard-working than in England. This applies also to the staff-members; they said their lecturers were mostly practitioners or consultants who took up teaching as their part-time job, whereas it was the reverse here. (Perhaps this accounts for the greater devotion of our teaching-staff.)

The people here, according to them, are more academic-minded than in U.K. Qualification for scholarships and various posts in Hong Kong is mainly based on academic credits, whereas in U.K., they count more on the social side. Take the Nuffield Scholarship, for instance, those who received it during the previous years were either the chairman of Medical Society or the champion of certain sports. However, this year they are basing it more on academic credits.

Their teaching programme is more or less like ours, but they only have summer vacation during first year. This change brought to them by the Nuffield Scholarship is a wonderful break of the continuous studying programme they have been working since first year's summer vacation. They will be staying on until October this year.

chairman, Mr. Wong Kwok Kee. Subsequently they were ushered into the Physiology Lecture Theatre. 3 talks on our faculty roughly outlined the 'medic' life for them.

The first talk was given by Mr. Wong Kwok Kee. He elaborated on the various subjects in each academic year, the exams we had to face and the various clerkships. There was some difficulty in explaining some of the medical terms we had got so used to.

The second one was given by Miss Della Chu on the life of a medical student: Our relative isolation from the rest of the campus, and our unique professional training were mentioned. She stressed on the personal element in our career, and the development of a proper attitude to patients. She finished off by saying that equality between man and woman spelt true in the profession.

Mr. Paul Lam then talked on the prospects of our graduates. He touched on the possibilities of going abroad, going into private practice, and entering special field of study or research. Lastly he talked on the pay of our medical graduate.

A short period of question time followed. What to majority seemed to be interested in seemed to be the 'mortality rate' of

the various exams, the expensed and the new regulations regarding application to our faculty.

The eager young men (and a few ladies) were guided in small groups round the preclinical building, the library and finally they were treated with some soft drinks in the canteen. What fascinated them most seemed to be the two anatomy museums. They spent much time in studying the specimens. Many frankly admitted awe in the midst staring cadavers.

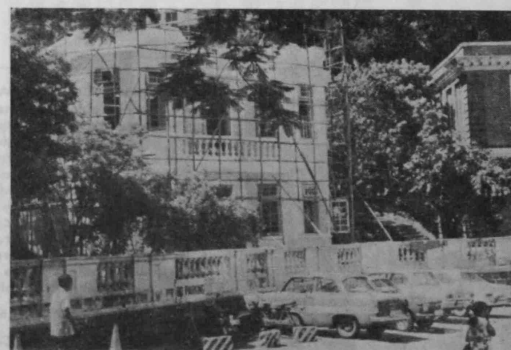
It is a pity that the paraclinical and clinical building could not be included in the tour. Also a few talks could not introduce our life fully. The most ideal would be letting them attend one of our lectures — quite an impracticable idea!

Judging from the preponderance of man among the group, the present situation in our faculty — preponderance of male students — is not to change in the near future.

Such a programme is very commendable, as the students have an idea what their future career is like. They can change their mind before it is too late if their character do not fit such life. They would be prepared for hard word and yet also expect fun when they write down 'Medical Faculty' on their application form.

## NEW UNIVERSITY CLINIC

The University clinic was moved to "West Gate House" on 2nd-3rd August, and opened on 5th August morning. The Clinic telephone numbers remain unchanged.



### 9th Dean's Undergrad Committee Meeting 17th July, 1969

1. Professor Ong, our Acting Dean, informed the Committee of the proposed building extension plan in the Medic Centre:  
2 floors to be built above the library—1 for library  
1 for Dean's Office  
The present Dean's Office to be used for hostel  
Basement of library to be converted to Common Room and Locker Room  
Alternative suggestion—the present Faculty Room to be used for one big Common Room  
Locker Room to be in basement of Library
2. The Acting Dean proposed that a Blood Donation Campaign be sponsored by the Medical Society.
3. The Acting Dean was asked to look into the possibility of providing mosquito-nets for the Medic Hostel.
4. The Acting Dean was also asked to look into the possibility of providing microphones for tutorial rooms for Medicine and Surgery OPD.

# MEMORIES

Young man

Three years ago, I landed in this part of the University. Before long, I was brought face to face with experiences which were quite alien to me. Pricking my own fingers as if blood-thirsty, pithing a poor little frog, cutting someone else's body into unrecognisable pieces were quite an experience, not to mention the revolting smell of carballymine. However, the most impressive of all was the incredible amount of black-and-white we had to digest and simulate. Years ago, I was told that medical students worked 18 hours a day. Though exaggerated, this is not far from the truth.

During the first year, our life was shadowed by the Anatomy vivas — something which we had to go through every two weeks. As put by a fellow student, they were capbale of reducing life expectancy by as much as two years. Nevertheless, it was these very inquisitional tortures that saved us from inevitable downfall in the 1st M.B. The Anatomy results were thus prevented from approaching that of Biochemistry.

The only formal examination we had in the first year was Organic Chemistry which proved itself no obstacle at all, provided one could sacrifice two week's Christmas holiday.

The summer vacation was marred by the turmoils around the Colony. When the new terms started, the Anatomy Comprehensive Examination was just too happy to meet us. It gave us a test dose of the dreaded examination ahead. When the results were posted, some found that they had overestimated their tutors' demands. Others began to realize how inadequate they were.

As the days flashed by, the menace posed by the impending examination became more and

more in evidence. Indeed, Domsday seemed in sight. We created more and more panic among ourselves by saying to each other, "I am certainly going to fail", including the potential honour-students who, for some reason, joined in the fun. We all muttered, "How did our predecessors manage to pass, by crook or by fluke?"

Anatomy was pushed from its supreme seat and in its place, Physiology sprouted. Certainly this could not be the consequence of frequent multiple-choice tests (which we tackled well enough by forming on-the-spot discussion groups). We began to realize that Physiology had no horizons. The more we got to know it, the less tangible it became. We began to curse the Anatomy vivas.

Biochemistry, a relatively young science, is definitely refreshing and inspiring, particularly for those who like new stuff. But year after year, it is the last of the three subjects to touch off the alarm system in a medical student. (Naturally the students' "bias" leads to bias on the part of the other party.) The textbooks are less bulky and the

usual examination questions demand only intelligent application of well-grasped concepts and basic principles, good thinking and presentation, and not a whole lot of regurgitated material as in the case of certain other subjects. At the last minute I switched to another book which I considered richer in "concepts" and came through with no bruises. (The Wheel of Fortune must have turned in my favour since my Mathematics is nothing to crow about.)

Our tension rose to a precarious point and things like palpitations appeared. It seemed as if we were about to tackle towering giants. Our brain circuits seemed all worked up.

Like a nightmare, the examination was at last over. Our troubles, however did not end there. We held our breath and waited for the Day of Enumeration. We could not afford to fail one more subject, since there was dire danger of ending in the mud for twelve solid months.

The results were soon posted. The survivors drew in a long breath. Those who were shipwrecked still had to hang on for another year. Somehow we had

the misconception that the biggest bar had been thrown over its belly. We felt as if we had the whole world in our hands, when in fact the 2nd M.B. was looming overhead.

Then we got new friends — Pathology, Microbiology and Pharmacology. It was a refreshing and revitalising change. With Pathology we experienced the first taste of really good University teaching plus concise comprehensive notes issued regularly.

We found Micro-biology a dangerous subject but it succeeded in demonstrating that staff-student relationship was not so bad after all.

At the same time we got to know how meticulous pharmacological experimentation could get. The enthusiasm soon waned. However we must thank the Professor for enlightening us with Physiographs and indoor television. In Pharmacology lectures, our eyes were on the screen, our hands scribbling, our thoughts travelling places and our auditory impulses picked up but neither integrated nor interpreted. The situation stands in sharp contrast to the Medicine lectures, where our senses are on the alert and we will be offered a bottle of Scotch whisky before the guillotine if we cannot help the desire to take notes.

In the third year, everything came in successive volleys. Just as we were striving to throw Satan through the window, we got the Devil knocking at the front door, Gremlin climbing in via the fire-escape, and 牛鬼蛇神 pouring in through the backdoor. Our hands were always tied. When the long hot summer ended, Medicine and Surgery came into the scene. Anyhow, the 2nd M.B. was the current boss and deserved highest priority. Less urgent matters could be managed by Fate.

Then once more we felt insecurity as time clicked away happily, but this time it took us many months to become conscious of its pressure. After a clinical attack, we had probably acquired a certain degree of immunity.

After the second Christmas, Pharmacology resigned to a corner. (but still lurking there). Then Social Medicine came out of the blues.

The 2nd M.B. Part I was now over. There were no incidents or surprises except that the results were exceedingly good. The theory that medical students cannot survive without "tips" is no longer tenable. The most important factor is "reasonable questions".

Through these years most of us have been trained to work steadily and not to depend on emergency stuffing, though there are the usual individual variations. Studying has become so much a part of our routine life that it threatens to deprive us of contact with the outside world. However we are not pure-breed bookworms. Quite a number of us are flirring around town collecting nectar every season of the year and faithful to their books only during the two critical months. In addition we read books other than Davidson — indeed all varieties.

Does medical students deserve their University degree? If one assumes the attitude of a perfectionist, we surely belong in the Kennedy Town Incinerator. From a normal human point of view, it is gross injustice even to contemplate accusing us of lacking scholarship and caring for nothing but passing examinations by hook or by crook. Idealism and reality must be clearly dis-

## Correspondence

Dear Editor,

Once I read an article by a senior medical student in the 'Undergrad' describing junior medical students who walked down Sassoon Road wearing white gowns as 'butchers in white'. I quite disagreed with the description because wearing a white gown in public was entirely a personal freedom and could have done nobody any harm as to deserve the name 'butchers'. But now I do meet 'butchers', yes, 'butchers' they are, not walking down the road but haunting in the wards.

To specify the nature of these 'butchers' would entail committing myself in pin-pointing characters which is not at all my intention. My feeling is that a physician is also a humanist. To be the former he should be a conscientious student of the medical sciences. To be the latter he should be a compassionist to his suffering fellowmen. Short of that, he is but a 'butcher'. In other words, a non-competent physician kills physically; a non-sympathetic one slaughters mentally.

Admittedly, that it is almost a perfection that one can be both competent and sympathetic. To be as competent as a physician as never to make a mistake is akin to telling a fairy tale. There is a limitation as regarding to one's intelligence and the maximum effort that one can pay to our studies. Human errors become so inevitable every now and then. But as students we should at least work hard in order to achieve what little bit we can to eliminate any unnecessary errors that might arise in the future leading to other people's misfortune. Another thing we can do is to be gentle and considerate to our patients. They came into hospitals to receive treatment and not experiment. A co-operative patient to medical students is almost a gift. We should at least try to be more understanding on our part.

In view of that, to fellow students who 'despise' hard work and those who are incapable of being sympathetic, I hesitate not to call them 'butchers'. Small butchers they are now, big 'butchers' they will become in the future.

The Cat.

## Puzzle puzzle

Hongkong's counterpart of Astronaut Armstrong is at present serving his quarantine in the Orthopaedics ward. Do you want an autograph? He is non-infectious. Pay him a visit at A4.

tinguished. We are not here to study every basic science in meticulous detail. Our target is Medical science. Our hands are already full. Even when we are working at this rate, it is obvious that we will be able to grasp but a very small chunk of Surgery, Medicine and what-not after three years' clinical course. We can only try our best and hope for the best.

So until we can find something much mightier than Essence of Chicken, working 24 hours a day is out of the question. Hence we cannot be expected to probe into the depths of the "basic sciences". If we attempt to do so, we will only get drowned. We must separate reality from idealism. An overloaded person cannot be expected to be an expert in every field. I hope everyone will keep this in mind.

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the classic topical corticosteroid

'Venus' by Simart



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1. Arch Derm. (1967) 95,514

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# 啟思

香港大學學生會  
醫學會月刊  
第一卷  
第八期  
一九六九年八月十五日

The views expressed by our contributors are not necessarily those of the editorial board.

The Editorial Board wishes to thank the Special Support of the Glaxo Lab. Ltd.

CONTRIBUTE TO THE CADUCEUS Please Drop into the Canteen letter-box

## 要說的話

「女孩子嘛！怎麼適合讀這門功課！」

「她們不像女人，沒有女人的氣質。」

「畢業之後她們能作些什麼有為的事？」

「是呀！浪費時間金錢，結婚之後便一無可爲了。」

「我才不要她們做女朋友呢！機械人！」

「……」

做醫生已經不易，但做個女的醫生就更困難，雖說「男女平等」，是有識之士的時髦論調，不過，在最高學府的醫學院中，却有很多人都看不開，使作爲一個女醫學生，感受到有一

## 不是詩

可尊敬的朋友  
暑假又來了  
這是一個特別可寶貴的暑假  
這是一個漫長的暑假！  
你可以幹你喜歡幹的！休息、嬉耍  
你也要幹你不願意的！勤書、上課  
……  
暑假之前你還在埋首書堆中  
這暑假令人厭惡的一類如王——  
暑假之後你却疲于進出病房與演講室  
之間  
學習充當不用被控的「劊子手」  
……  
醫術之水準是向下滴的  
生命的激流總是向下方衝去——  
當過病人的你  
當過病人的你  
當你想起自己病中那種渴望安慰與

## 力

舞舞的心情時  
你自然不能忘記對病者應有的態度  
他們的肉體與靈魂算是攤在你手掌裏  
的，可別粗心大意看待這份「光榮」啊！  
……  
啊，親愛的朋友  
一切都在等待你  
書本在等待你！等待你給它翻花臉  
病人在等待你！等待你熱情的關懷  
青春也在等待你！等待你裝點你歡樂的  
笑容  
……  
而你  
又等待着什麼呢？  
想想吧  
暑假之後  
恐怕連想的機會也給剝脫掉——對嗎？  
六九年夏

種無形的排擠，錯誤的評論，甚至是指辱！

人各有志，自己喜歡的，當然要做，別人憑着什麼來說女人不能當醫生？自然，他們的理由很多，但分析起來，實不堪一提！

在一般頭腦頑固的人來說，女孩子應該避嫌，男女授受不親呀！女孩子去檢驗男人，成何體統？這些人的腦根，就是不會轉彎，當你去看病的時候，你就是醫生，病人是病人，你要做的是管病，並非管是男是女，再說，既然女的看不得男的，難道男的又看得女的？荒謬之極！

當醫生的女孩子，都是不像女孩子的，沒有了那份「氣質」。我想請問說這些話的人（當然是男孩子啦！）解釋

「……」

「……」

「……」

「……」

「……」

「……」

「……」

「……」

「……」

「……」

「……」

「……」

「……」

「……」

## 跌倒

陳嘉富

無數次的跌倒，  
我都竭力站起來，  
還將腰挺得硬直，  
好像事情沒有發生過一樣。  
……  
無數次的跌倒，  
我都可以站起來，  
可是，總會有一次，  
軟弱的雙腿，不再撐持我。  
……  
血裸裸的心，  
一角一角地墮落，  
我要在殘缺的心上，  
把鋼釘注入腐蝕的洞，  
用牛筋縫合撕破的痕，  
它將成爲世界上最堅實的東西。  
……  
然後  
帶我到暴雨狂風，  
到荆棘叢中，  
我要嘲笑他們，  
我不懼怕跌倒，  
他們永不能再磨折我了。  
……  
我的心，已失去血肉，  
我的腿，已變爲機械，  
一切的折挫，祇是過去的回憶……

# THE CORTISONE RESEARCH STORY

It is almost 50 years since the American biochemist Kendall began to investigate the chemical substance secreted by the adrenal cortex. Within ten years he was able to announce the isolation of no fewer than 28 highly complex compounds. Four of these were biologically active and Kendall named them Compound A, B, E (cortisone) and F (hydrocortisone). Half a ton of bovine adrenals are needed to produce even a small dose of Compound A and Kendall spent three years synthesising it only to find that the substance failed in its final tests.

He then turned his attention to Compound E (cortisone) and by 1948 a few grams were available for testing. In the following year the results of these first clinical trials were announced.

Cortisone, as a new and useful weapon in the treatment of rheumatism, was launched in the United States in 1949.

Cortisone is a member of a chemical group called steroids,

one of which, ergosterol, occurs in yeast. Glaxo first chose this as the starting material and in 12 months had elaborated a new synthetic method for the production of cortisone. It was later decided that this method would be too costly and a fresh starting material, hecogenin, was investigated.

Hecogenin is found in the juice of the sisal plant and, although the proportion present is very small, there is a very large volume of juice, so supplies adequate to the company's needs were available. The juice is expressed and fermented in East Africa and a solid concentrate transferred to Britain. The crude hecogenin is purified with a subsequent processing to cortical hormones, using methods discovered in the chemical research and development departments in London.

In the event, many new methods were invented, worked out and then discarded as uneconomical before one was finally

chosen to go into production of cortisone and hydrocortisone in 1955.

The research continued to seek still better methods. When they were found they were introduced into production to increase the yields and reduce the costs of the products.

During the same period new hormones, prednisolone and prednisone, had become important, and to make them the processes had to be altered yet again — another two year's work. The research departments also provided methods of making acetates, hemi-succinates and phosphates of these hormones as required.

A new phase was entered in 1958 with an attempt to find an improved method of making betamethasone. The compound was known, and was known to be highly active but the existing method of synthesis was not suitable for production. A major effort was put into this and after two years a satisfactory method

had been built up and production was undertaken.

The chemists engaged on the corticosteroid research project had to carry out a good deal of what might be named molecule surgery; some parts of the molecule had to be cut off, some had to be rebuilt to a different shape, some had to be moved from one position to another. In the case of betamethasone the methyl group and fluorine atom are like the small scars that may be the only visible signs of a major surgical operation. The chemists had to cut deeply into the synthetic reaction chain to reach a point at which these groups could be introduced. All these "operations" require a high degree of skill and experience, both theoretical and practical.

The degree of surgery needed on the reaction chain from hecogenin to the end products was variable. The chemists did not convert hydrocortisone directly to prednisolone, though the two compounds are so similar; they

went back a few stages and converted one of the intermediates. Indeed, so many processes started from one particular intermediate towards the end of the sequence that it became known locally as "Clapham Junction"!

For betamethasone the chemists had to retrace their steps further back, and indeed, after the substance had been marketed, new research identified a still more efficient process and a totally new sequence of reactions was worked out in detail and put into production.

Later research undertook to try and improve the performance of betamethasone as a topical steroid for use in the treatment of skin diseases which are widespread, uncomfortable, and unsightly. Many derivatives, modifications and esters were made until betamethasone 17-valerate was selected as likely to be an effective substance. Extensive clinical trials confirmed this and it was marketed in 1963.