



AURICLE

THE OFFICIAL ORGAN OF
THE MEDICAL STUDENTS OF THE
UNIVERSITY OF THE WITWATERSRAND

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1953

WHY WELCH ALLYN ?

((Series No.1)

THE OPTICAL SYSTEM OF A TYPICAL OPHTHALMOSCOPE

Illumination of the internal structure of the eye is made possible by directing a beam of light through the pupil into the interior of the eye. The light source in the modern electric ophthalmoscope is a small incandescent bulb for which the current is supplied either from dry batteries or a transformer attached to ordinary house circuit. The light from the bulb is collected and formed into a beam by two successive lenses. The beam is then reflected either from a right angled prism or a mirror set at 45° to the axis of the beam so that it proceeds perpendicular to its original direction. This makes it possible for the axis of light and the visual axis of the observer to be parallel. Most ophthalmoscopes are so constructed that the light-beam is below the visual axis and does not interfere with the formation of a clear image on the retina of the observer.

Light reflected from the iris and cornea of the patient sometimes causes interference with the observer's clear perception. To eliminate some of this disturbance, a pin hole cap is provided with the instrument. This cap reduces the diameter of the beam and likewise the amount of reflected light reaching the observer's eye.

Another modification of the beam is accomplished by a slit aperture. The streak of light formed by this aperture assists materially in the estimation of the level of various areas of the retina.

Occasionally some lesions are not clearly visible because of colour confusion. Some of this difficulty is eliminated by the use of various colour filters which are incorporated in the ophthalmoscope for ease in diagnosis.

To assist the observer in obtaining a clearer image of the structures he wishes to study, a series of 13 plus and 10 minus lenses of varying power is provided. The dioptic value of these lenses is indicated on a dial which is magnified and illuminated for use in a dark room.

The Welch Allyn No. 110 Ophthalmoscope is provided with all the modifications mentioned above and affords the general practitioner or specialist a thoroughly satisfactory instrument for ocular examination.

* * * * *

This week's "WESTCRACK" : A smart man is one who hasn't let a woman pin anything on him since he was a baby.

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PROF. RAYMOND A. DART

GUEST EDITORIAL

The 38th South African Medical Congress and the 17th Annual Scientific Meeting of the Medical Association of South Africa was held in Johannesburg during September 22nd - 27th, 1952. During the Congress the Medical Graduates Association of the University, through the initiative of its President Lippe Slutzkin, M.B. B.Ch., organised a dinner for the graduates attending the Congress. In addition to the Vice Chancellor and Principal of the University, Dr. H.R. Raikes, and the present heads of Departments, Professors J.M. Watt, R.A. Dart, J. Gillman, G.A. Elliott, W.E. Underwood and O.S. Heynes. There were present as guests the former Professors of Obstetrics and Gynaecology - James Black, and of surgery Emeritus Professor Innes Wares Brebner. Professors W.H. Craib and Gordon Grant were unfortunately prevented from attending the Congress and the dinner, as was also Professor J.C. Middleton Shaw who was overseas.

The toast of 'Alma Mater' was proposed in a moving speech by the President of the Southern Transvaal Branch of the Medical Association of South Africa Tobias Schneider, M.B. B.Ch. Rand (1927) and fittingly responded to by the Vice Chancellor and

Principal, Dr. H.R. Raikes. The toast of 'our' Teachers' was in the capable hands of Maurice Shapiro, M.B. B.Ch. Rand (1929) and deftly acknowledged by the Dean of the Faculty of Medicine and Professor of Surgery, William E. Underwood. The toast of 'Our Graduates' was used by me to survey some aspects of their achievements and was suitably acknowledged by the Professor of Physiology, Joseph Gillman, M.B. B.Ch., Rand (1932). The toast of 'The Old Vintage' was then proposed by Comyn Duthie, M.B. B.Ch., Rand (1925) with colourful reminiscences from the point of view of the first group of undergraduates, and answered by Professor Brebner with correspondingly vivid recollections from the standpoint of the original members of the clinical teaching staff. Anecdotes and stories from Laurie Adler, Pericles Menhof, and Professors Elliott, Heynes and Watt brought this memorable graduate gathering to its close.

Twenty one years had passed since the Medical Association had held its last previous Congress in Johannesburg; then the graduates attending were too inconsiderable a body to organise a function of this character. Many changes will occur before a corresponding reunion is organised when the Association's next Johannesburg Congress takes place. For these reasons and to make the collated facts accessible not only to a wider audience today but also to future generations of students many of those present begged me to place on record the whole of the material employed for the toast of the evening. The following account is therefore a somewhat expanded version of the graduate panorama I tried to expose; its convivial setting and cordial reception cannot be recaptured by cold print, but my notes ran on these lines :-

LOOKING BACK OVER OUR GRADUATES DURING THE FIRST 33 YEARS.

Professor
R. A. DART.

"To-night it is my proud privilege, Mr. President, Fellow-students, Ladies and Gentlemen to propose the toast of the Graduates of the Medical School in the University of the Witwatersrand. You have laid an onerous task upon me, so my audience will have to bear its brunt. The United States President, Wilson, is alleged to have said that if he had to prepare a ten minutes speech it required a month's preparation; if he had had an hour in which to perform it could be done in a week; but if he had two and a half hours at his disposal it might be delivered ex tempore. I have had some weeks in which to delve into the facts; only then did I discover how formidable was the extent of the subject matter; but I fear that I cannot emulate the President by contracting my references to our graduates within ten minutes, nor can they be called more than partially ex tempore.

My first job was to define who are 'Our Graduates': they are so diverse! The first four medical graduates appeared in 1924 viz., Leopold Klein, B.A., Benjamin Isaac Kuny, George Frederick Slade and George Clifford Thomson, B.Sc., all alive and well today but I regret that I do not see any of them here. The following year their number was increased to over a score by Comyn Duthie and L.D. Adler, B.Sc., (who are present with us), our two first women graduates Esther Franks and Susanna Debora Margaretha Blake B.Sc., and thirteen other pioneers:- Max Adler, Bessarabia, Carpel, Dodds, Effren, Frack, Gerber, Frederick Petrus Grobbelaar, Javett, Liknaitzky, Lomey,

Abe Miller and Jacob Stephanus Jansen Van Rensburg.

By the end of last year (1951) that original four had increased to 2,178 Bachelors of Medicine and Surgery, more than were on the register of the four provinces of the Union in 1924; for when the first Medical Register for the whole Union of South Africa was compiled in 1932, the year after the Association's last Johannesburg Congress, there were still only 2,443 practitioners upon it. Last December there were 1,698 of our graduates on the register; and they, together with Cape Town's 1,860 and Pretoria's 330, accounted for 62 per cent of the entire medical profession, which stood at 6,336. Another 322 were Interns and of these 128 are from our school. So today our Medical School together with our Dental School, its lineal offspring, is responsible for approximately a third of the South African medical and dental professions; a responsibility exceeding numerically and professionally that of any other Medical School in this country.

This concludes the first of the series of articles in which we intend to present the entire speech made by Professor Dart. at the Medical Congress.

We have no doubt about the pleasure which this series will provide. Many students have already expressed a keen interest and appreciation in this connection. We can only regret that lack of space does not allow us to print more than appears on one page each week but we feel certain that this will in no way detract from the value of the Professor's speech.

REPORT ON ANNUAL GENERAL MEETING.

A very large audience of Medical students ranging from 1st to 6th year, saw Elton Goldblatt, President of the S.M.C. preside over the Annual General Meeting of the Students' Medical Council, held in the Harveian Lecture Theatre, at which two distinguished personalities, Professor Underwood and Professor Platt, delivered addresses.

The Dean, during the course of an informative address, clarified some of the problems which perpetually perturb students in their clinical years. He dwelt briefly on the prospects of hospitalization in this country, the problems which the "means test" would create.

Continuing, Professor Underwood stressed that doctors should create some degree of rotation between non-European and European practice and he concluded by wishing all students a happy academic year.

Prof. Platt speaking on "Art and Science in Medicine" pointed to the great strides which had been made in medicine during the past quarter of a century. These, he said, were mainly due to the efforts of the physiologists of whom Claude Bernard had been the forerunner to such illustrious names as Gowland Hopkins, Bayliss and Starling.

Surgery too, had progressed enormously, with the irradiation of sepsis from the post-operative period, following on Louis Pasteur's invaluable work in the field of Bacteriology.

Continuing his theme, Professor Platt said "I'm sure that if I asked you to

name the outstanding discoveries of the last quarter of a century, you will all agree that:-

1. Insulin
2. Pernicious anaemia
3. Vitamins and Endocrines
4. Sulphonamides, penicillin and chemotherapy advances
5. Cures for Tropical Diseases,

immediately spring to mind".

Associated with these advances, had come the vast improvement in diagnostic techniques which had rendered these treatments possible.

In conclusion, Prof. Platt stressed that to him medicine while becoming more scientific would always remain an art because doctors were dealing with live material and not laboratory apparatus.

During the course of the meeting Prof. Platt received a presentation - "so that he may not forget us". Further presentations were made to:- Dr. Meyerowitz, for services rendered to the student body. Dr. Wagstaff, who was presented the Cottrill Prize by Mrs. Cottrill.

Dr. Meyerowitz who received the annual gift made by the President of S.M.C.

Minute Story [For decrepit readers.]

Females also Fight.

In appearance she was not very enchanting. She had long thin legs her back was bent, and when you listened to her, it was an irritating and monotonous ordeal.

Tonight this was of little account as she was their leader and much responsibility rested on her slight shoulders. At nightfall the group left their base and climbed high into the tepid, close atmosphere.

They had been flying now for|

The Great EXCISION

A MAGNIFICENT DRAMA IN 2 PARTS..!

He lay quietly in his bed reading Punch and eyeing the nurses in the ward. His injured arm felt much better and generally speaking the patient in bed 24 was feeling well. But then of course, HE didn't know! For ten years the top brains of neurosurgery had been planning for this day. For ten years men of genius had studied through the night. For ten years experiments had been carried out on lower primates - and now the great day had arrived. A million chaemograph recordings, ten thousand electroencephalographs, thousands of histological sections had been meticulously scrutinised.

They had waited patiently for an individual like that in bed 24. Apart from his minor laceration number 24 was the ideal subject. Intensive research had revealed that his physiology and psychology were within the range of normality. Everything had been carefully planned.

At 0900 hours the Chief began the usual ward round. Number 24 was perfectly willing to have his wound explained to and examined by the students. What he failed to notice, however, was a sinister figure crouching on his hands and knees under the bed. With every muscle in his body tensed the man under the bed waited. In his hand was a syringe poised for action. At 0930 hours the Chief startled the group of students by saying: "O.K. Gamphosis!" As he said this Gamphosis, the world's most decorated anaesthetist, leapt from under the bed and before number 24 had time to say

"Blikfakkel!" a needle had been deftly slipped into his ante-cubital vein and 10 ccs of emulsified Phenol had put number 24 in the state of unconsciousness. Then with all speed number 24 was placed on a trolley and rushed to Theatre 3.

Theatre 3 was packed. Apart from the rather large theatre staff of 13 sisters and 9 assistants, preparations appeared to be normal except for the bats clinging to the gas cylinders and the occasional hoot of an owl from a dark recess in one of the sterilising drums.

"Speed" said Gramdoogle, as he set to work with the oxyacetylene blow lamp, "is the key to the excision. For once the dynamically inter-related entity realises that it is being sought for, then its whole space-time orientation is changed to a different pitch and the result is that, instead of being found in the nucleus pulposus between the 3rd and 4th lumbar vertebrae, it now integrates itself with the central nervous system as a colloidal dispersion with the Nissl granules." Gramdoogle testily scratched his nose from which a large scorpion was suspended. "It is bad enough operating suspended by one's big toe" he grumbled while he stripped the posterior parietal peritoneum from the vertebrae and signalled to nurses Hamilton, Boyd and Mossman to hoist him a little higher, "without being troubled by these blasted insects".

At 0934 hours, Gramdoogle had exposed the disc between L3 and L4. At this stage the Geiger counters which, of course, surrounded the whole theatre, began ticking over slowly. Schmaltzadike Eidel had predicted this.....
o be concluded next week.

E.B.

EDITORIAL.

There are no doubt some at Milner Park who have a great deal of time at their disposal and who are in a position to spend each lunch hour in play. For the most part Medical students and many Milner Park students prefer to spend what free time they have at their disposal in more profitable occupation. It is therefore extremely annoying when the minority successfully manage to impose their will on the majority of students by gross behaviour, as was the case on Monday, forcing the majority to waste an hour which was set aside for serious discussion. More annoying still when one considers that for the most part these whistle blowers and bell ringers are anonymous cowards who lurk in the pit so to speak, making animal noises to the encouraging grins of their equally cowardly comrades. Of this bunch of hoodlums, the tools of the more calculating, a gentleman whose name escapes us, found he had the vocabulary to give speech to his thoughts. While these thoughts in the main are hardly worth repeating it is worthy of him that in the short distance of his walk from the back of the hall to the platform where he delivered he was able to generate sufficient words to ask, for lack of brighter inspiration, for a vote of no-confidence in the S.R.C. This we feel is original and the gentleman concerned should go far.

It is our contention that the majority of the whistle blowers and bell ringers are simple minded folk, harmless individuals without a thought in their heads and quite incapable of ever applying their grey matter to anything more complicated than the curriculum set by the

engineering arts or what ever faculty they belong. More dangerous however are those who carefully use this inarticulate mass and manage to engineer closure of meetings which they consider to be detrimental to their convictions.

The means of defeating this threat to free student speech, are certainly not those adopted by the chairman of yesterday's meeting. It is quite useless to threaten people who have little intelligence with public expulsion from the Great Hall. This means absolutely nothing to them, as was evidenced by the clownish indeavours of the one bespectacle youngster who was asked to leave. It is equally useless employing officers to carry out these measures if these officers side with the hoodlums as was the case in one instance on Monday. There are only two courses open. Either to take the names of those responsible and report them to the Principal as being objectionable, or to employ the mass of the student body in forcefully evicting this element at the earliest possible opportunity.

It is the bounden duty of all medical students to attend the postponed meeting on Friday. To fail to turn up en masse is to submit to the rule of the few over the many.

MEDICAL BALL.

WILL THOSE STUDENTS

WITH TABLE BOOKINGS

PLEASE CHECK SAME BEFORE

FRIDAY 13th.

In response to a multitude of requests, we take pleasure in reprinting

BRIGHTER O.P.D

Some 5th year students find O.P.D very boring and uninteresting at times, particularly if called upon to take a history from their Chiefs. The following card system might solve their problems. The Scheme is a real time saver, and no doubt the students will have more time at their disposal to discuss the Saturday Double, the Cricket, Golf etc.

SPECIMEN CARD.

Name.....Age.....Occupation.....

Phone No. (If under 25 years).....

I've got a { large
terrible
small
awful
funny sort of } { pain
lump
hole
rash } in my { head
chest
stomach
right-left arm
right-left leg } it is

{ larger
unchanged
worse
smaller
better } at { drinking
eating
night
a job of work
bending
lying
Bank Holidays } I haven't had a
before
after
on

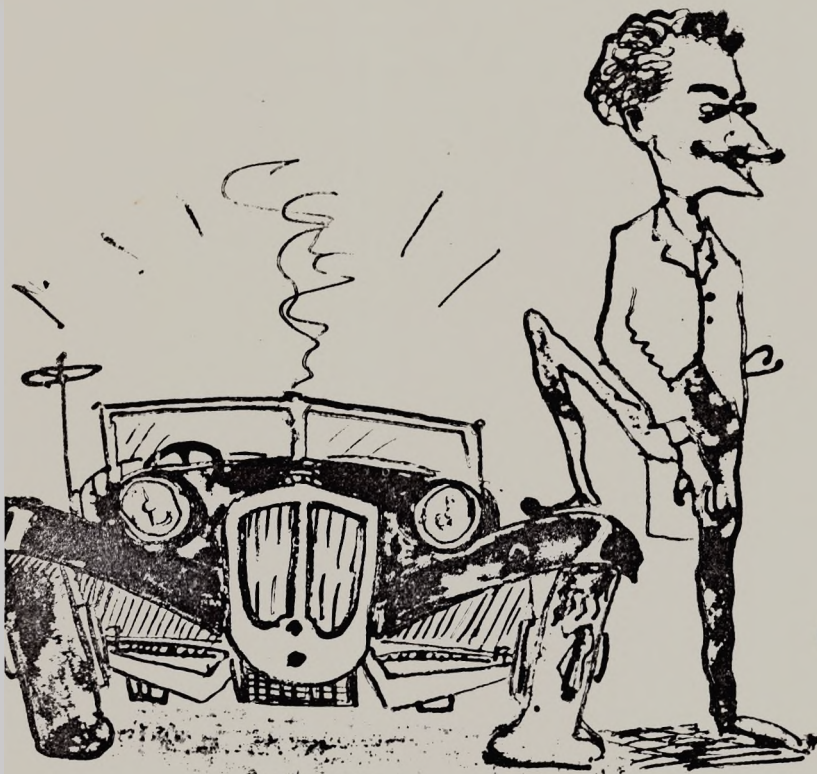
{ decent night's rest
day's illness
bath
drink } for { days
weeks
months
years }
insert number

I have been { operated on
X-rayed
massaged
injected }times for.....

The last doctor I saw said it was

The last { white
horrible
black
pink
brown } and I { cat
wife
baby
husband } with { excellent
good
alarming
astonishing
fatal }
medicine taken was
tried it on the
results.

HE BOUGHT A BLUE ONE
TO GO WITH HIS BLUE
TUXEDO ON FRIDAY
EVENING.



CHAPEL OF SCROVEGNI IN PADUA.

In the centre of Padua there is a small public park where the discordant noise of the traffic makes way for the shady tranquility of the avenues which almost seem to protect a little church, bare and crumbling from the outside the Chapel of Scrovegni in which precious Giotto frescoes are preserved.

The war barely touched the chapel, leaving it miraculously undamaged; unlike the Church of Eremitani some 100 metres away which was completely razed by bombs. The chapel was painted by Giotto during 1303 - 1305, and he transmitted to these frescoes all his powerful realism and profound vitality.

He reproduced the story of Mary and Christ in 37 fresco paintings which decorate the outerwalls, and in his interpretation of the Last Judgement, Giotto achieved a veritable revolution in artistically expressing an entirely original world compared with tradition. The revolutionary changes brought by Giotto through his painting reflect and interpret the realistic spirit which animated the new Italian society of the 14th Century and which also produced masterpieces in Italian literature.

The subject of the frescoes is ever religious, but to the traditionally sanctified figures, painted according to medieval conventions which were impersonal, rigid and severe, deprived of all physical sensitivity, the great painter posed the return to the "natural"; for example Christ, the Maddona and Saints are represented as mortals moved by the motives of human sentiments. In the "Lamentation of Christ", we find infinite sorrow at the death of a beloved person. One can say that Giotto was the first great painter who forged a realistic tradition in Italian and European Art. MS

THE LIBRARIAN SAYS:

As aerial transport has become such a part of everyday life, every physician should take an interest in the subject of aviation medicine. The importance of this new branch of medical practice is reflected in the publication of a third edition of Aviation medicine, by H.G. Armstrong, as well as in the appearance of a periodical devoted to this subject alone, the Journal of Aviation Medicine. Armstrong's book deals with several aspects of subject, including the standards of physical fitness required for flying personnel; diseases and injuries peculiar to flight; international problems of epidemiology and public health; the physiological basis of reactions to altitude and atmospheric changes, etc. "It is believed that students will find this volume a means by which they can quickly acquire a clear understanding of the general principles of aviation medicine and the problems associated with its practice".

The Journal of Aviation Medicine is published bi-monthly, and provides a record of research into the medical, physical and physiological problems of aviation, both civil and military. Abstracts of articles from other journals are included, so that a survey of all recent work on this subject may be obtained by regular consultation of the journal when it arrives.

A.C. Dick

ENDOCRINOLOGY CONFERENCE

The Conference on "Endocrinology" is going ahead by leaps and bounds and we anticipate a most outstanding success owing to the untiring efforts of all who have given of their time and helped, and in particular Dr. Lopis, our Graduate Chairman.

Most people do not realise the work that is being put into this Conference, except those who are doing it. Dr. Lopis has been working solidly since November, and I feel he deserves our very special thanks.

The Conference, as you know, will take place in May from 18th-29th. There will be 8 sessions and all will be interesting. The first meeting is an introductory one, opening the curtain, as it were, and two papers will be given on the Scope of Endocrinology. The second meeting is on puberty, menstruation and menstrual disorders etc. Other topics for discussion are: The Sterile Marriage, Menopause, Metabolism, Diabetes, Adrenals and Surgical aspects of Endocrinology. The final meeting will be on 29th May, the subject matter will be equally interesting.

An Exhibition will be held in the Sutherland Strachan Museum during the above dates. In addition there will be a Trades Exhibition. A great deal of work has still to be done and helpers will be most welcome.

L. Bader

Chairlady, Conference Committee.

as they travelled through the air.

Suddenly seeing a light below she appeared to decide that this was their target. They climbed, reached their ceiling and circled. It was a large.

cont. from page
some hours through the night.
Now and then stragglers would be left behind without regret, to their various fates. Often she could be heard shrilly giving directions to her fellow adventurers

In my opinion

EASY AS A, B, C BY D, E

To The Editor:

Sir,

An excellent suggestion has been made by Dr. Cohen of the Physiology Dept., that a lending and reference library be started for students at Douglas Smit. Standard text-books are not required but rather the more expensive reference books. The building up of a library of this description, is, as you know, a difficult task but one which I am sure could be accomplished with the co-operation and assistance of students.

There are many people, who, if they were aware of the formation of this library, would gladly donate books for which they no longer have any use.

I would therefore appeal to every student to advertise this scheme and obtain as many books as possible to make this library a real success.

All books are to handed in to the S.M.C. office.

Yours faithfully,

C. Schiller.

.....

Solution to Crossword No.1

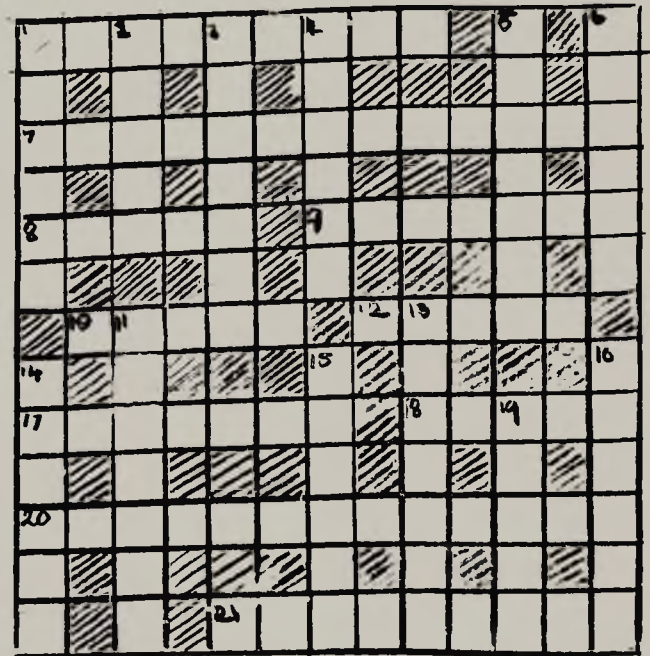
Across:-

1 & 22; Stitch-in-time.
8. Extent. 9. Practice. 10. Lima
11. Reset. 13. Erased. 15. Dusted
16. Enters. 18. Snared. 20. Suits.
21. Hack. 23. Provided. 24. Needle
25. Re-elects.

Down:- 2. Turner. 3. Tack. 4.
Hailed. 5. Needed. 6. Register.
7. Stranded. 11. Bears. 12. Turns
13. Elephant. 14. Attacked. 15.
Supper. 18. Stroke. 19. Expect.

GENERAL MEETING

MILNER PARK - FRIDAY



ACROSS.

1. It is light indeed.
7. Of the physiology department.
8. Coloured girl.
9. Formerley a nude model?
10. Seed on the foot?
12. A hundred pimples cause a catastrophe.
17. Sooner.
18. Interior of dog.
20. Does this insurgent rotate?
21. Guardian of the trove!

Down.

1. Tepid C (Anag.)
2. Chicken!
3. Used at a braai vleis.
4. Often happened to pin-tables.
5. A little account with expenses.
6. Dude led without a D.
11. Two vehicles make a third.
13. "I.O.U. runs"
14. Metal comes to an alcoholic end.
15. Her wit. (Anag)
16. Does it go up per ray?
19. A hundred hairs in it?

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SPORT.



In our column last week on Sport and Medicine, we were able to mention in the space allotted us but a few of our lecturing staff who have done well on the sports fields. Continuing this week we will now mention just a few newly qualified and present medicals who have won great honours in South African Sport.

Athletics:

Don Clark - represented South Africa against American Tourists.

Harry Grisdale - South African Junior record holder in 100 & 220 yds.

B. Peers - S.A. Junior long distance record holder.

Cricket:

Doctors Bruorton, Cheetham, Bloom, Barkman to mention but a few have all played for Transvaal.

Boxing:

Abe Luntz - A truly great heavy-weight with British University and South African titles too numerous to mention.

Joe Siegenburg and Wolfe Edelstein both holding S.A. University titles for a number of years.

Golf:

Ernie Lewis - Transvaal Amateur champion with a reputation (in this sport) that speaks for itself.

Rugby:

Doctors Dennis Oberhaltzer, Bertie Musto, Barkman, Herbst and our Neil Freeman - all winning Transvaal colours.

Soccer:

Dr. Harry Miller - Springbok and Maccabi Games Captain.

Dr. Sam Tucker - Maccabi and Provincial player.

Swimming:

Dr. Des Cohen - Springbok and two successive Olympiads.

Drs. Les Klennerman and P. Kincaid Smith with many National titles and records.

S.F.

General Meeting

MUNICIPAL

Lack's Corner

Unannozd:

A lass who weighed many an oz.
Used words that nice girls
don't pronoz

When a prankster unkind
Yanked her chair from behind -
Just to see, he explained, if
she'd boz.

Daffynitions:

Golddigger: A girl who mines her own business.

Checkmate: The girl you marry for her money.

Memopause: When the boss is on vacation.

Champagne Hangover: Wrath of grapes.

Board of Trade: Bench in the park.

Church sign: "This is a ch--ch.
What is missing?"

Free French Lesson: Carte
Blanche - take Blanche home....
Coup de grâce - cut the grass..
au contraire - away from the
city..... á la carte - on the
wagon.

Father answering 'phone: Dream-
boat is not at her pier just
now.

Then there is the story of the
moron who went to visit his
girl friend and found her in
the absolute. The next time he
visited her she had a little
moron.

J.R.

cont. from page.
whitish mass in the pale moon-
light.

They descended, spiralling slow-
ly down in ones and twos -
eager to make the assault, to
complete ~~their~~ vital mission.

And now she was upon it - a
sleeping man who sleepily open-
ed his large hand and crushed
the mosquito against his arm -
still with a smile on her prot-
-ruding proboscis.

N.L.

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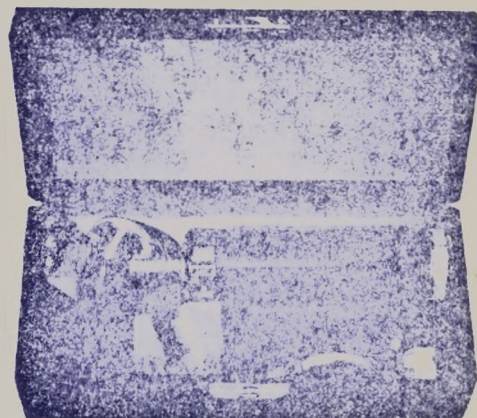
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(PTY.) LTD.

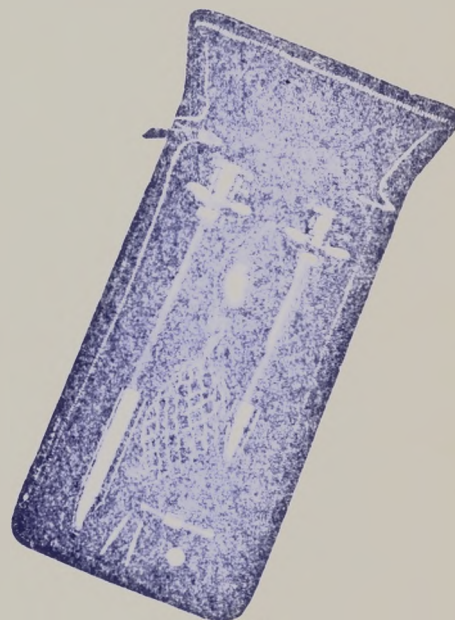
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