



U O F S

SAOA INSTRUCTIONAL COURSE 1982

Bloemfontein

27—29 September 1982



S.A.O.A. INSTRUCTIONAL COURSE 1982
BIOMECHANICS IN ORTHOPAEDIC SURGERY
PROGRAMME

MONDAY 27th SEPTEMBER, 1982

08h00—08h30: REGISTRATION

CHAIRMAN PROF R B SNOWDOWNE

08h30 : Review of Basic Mathematics — Dr E Chao

09h00 : Statics and Dynamics — Dr E Chao

10h30 : TEA

10h50 : Joint Motions and forces — Dr E Chao

11h50 : DISCUSSION

12h30 : LUNCH

13h30 : CHAIRMAN PROF G DALL

13h30 : Biomechanics of the Knee — Drs E Chao & G Deane

**14h30 : Functional evaluation of Joints and Gait analyses —
Dr E Chao**

15h30 : TEA

15h50 : Biomechanics of the foot and ankle — Dr. G Deane

16h50 : DISCUSSION

**17h00 : Report back on S & N Travelling Fellowship — Dr C J
Joubert**

TUESDAY 28th SEPTEMBER, 1982

- 08h00 : CHAIRMAN DR L H MULLER
- 08h00 : Mechanics of Material — Dr E Chao
- 09h00 : Biomaterials — Dr E Chao
- 10h00 : DISCUSSION
- 10h30 : TEA
- 10h50 : Biomechanical principles in imp ant design — Dr G Deane
- 11h50 : Past present and future of joint replacement — Dr G Deane
- 12h30 : DISCUSSION
- 13h00 : LUNCH
- 14h00 : CHAIRMAN PROF R GRäBE
- 14h00 : The properties of Bone — Dr E Chao
- 15h00 : DISCUSSION
- 15h15 : TEA
- 15h35 : Mechanical preparation of bone in surgery — Dr G Deane
- 16h35 : DISCUSSION
- 17h00 : Annual General Meeting C.R.A.S.A.

WEDNESDAY 29th SEPTEMBER, 1982

- 08h00 : CHAIRMAN DR H J CILLIERS
- 08h00 : The Biomechanics of Internal Fixation — Dr E Chao
- 09h00 : The Biomechanics of External Fixation — Dr E Chao
- 10h00 : DISCUSSION
- 10h15 : TEA
- 10h35 : The Biomechanics of the lumbar spine — Dr G Deane
- 11h45 : Custom prosthesis in bone and joint reconstruction
— Dr E Chao
- 12h45 : DISCUSSION
- 13h00 : LUNCH
- 14h00 : CHAIRMAN PROF R B SNOWDOWNE
- 14h00 : The properties of Soft Tissue — Dr E Chao
- 14h30 : Research and Teaching in Biomechanics — Drs E Chao
and G Deane
- 15h15 : DISCUSSION
- 15h30 : TEA

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In these times of inflation it is becoming ever more difficult to offer courses such as this one at a cost which will not discourage attendance. Due to the unstinting generosity of a number of firms the organisers have been able to keep the costs reasonable. We gratefully acknowledge the support of the following firms:

C.M.W.

Deloro — Zimmer: Hospital Products

Howmedica: Protea Holdings

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Their contributions reflect their interest in the future of Orthopaedic surgery in South Africa

Prof. R.B. Snowdowne

CHAIRMAN

Dr. H.J. Cilliers

SECRETARY AND TREASURER