

sodat moontlike foute wat in die eerste ontwerp begaan is reggestel kan word.

Die beplanning van die nuwe basis is gefinaliseer met weinig drastiese veranderings. Die voetstukke is effens verander om toe te laat vir enige hitte lekkasie deur die vloer wat kan veroorsaak dat die sneeu om die voetstukke wegsmelt.

Verder is meer aandag aan brandwerende vereistes van die panele gegee deur 'n minerale wol wat in vogdigte sakke verpak is in die panele te gebruik. By die vorige basis is gevind dat vog die panele binnedring, die isolasiemateriaal met water versadig met die gevolg dat die panele geen isolasie-eienskappe besit nie.

Waar die sneeu-gang by die 1962 basis aan die Oostekant was is dit nou verskuif na die Westekant sodat enige abnormale sneeu akkumilasie as gevolg van obstruksies by die ingange na die sneeugang weg van die basis kan plaasvind met die heersende Suid-Ooste winde.

Brandbeveiliging vir die nuwe basis bestaan uit die volgende:

- (a) Behandeling van muur- en dakpanele teen brand deur brandvertragende verf.
- (b) Spesiale voorsorg is getref in die kragkamer en die woon kwartiere deur die twee vertrekke, wat die grootste brandgevaar inhou, deur 'n spesiale asbestos en perliet bekleding teen die mure aan te bring.

Hierdie bekleding het 'n een uur brandweerstands-vermoë volgens die I.S.O. toets.

- (c) Die basis sal toegerus word met 'n outomatiese brandalarmstelsel wat sal bestaan uit hitte, rook en vlam opspoorders.
- (d) Die kragkamer sal toegerus wees met 'n outomatiese koolstofdiksied brandblusstelsel wat ook hand-beheer sal wees.
- (e) Behalwe vir vier geperste lug asemhalingsapparate wat vir brandbestryding bedoel is, is elke ekspedisie-lid ook toegerus met 'n baie ligte tipe geslote baan suurstofasemhalingsapparaat wat vir reddingsdoel-eindes aangewend moet word.
- (f) Die basis word verder toegerus met brandblussers wat geen onderhoud nodig het nie en wat sal bestaan uit:
 - (i) water (anti-vries)-koolstofdiksied tipe,
 - (ii) droë poeier – druktype
 - (iii) koolstofdiksied
 - (iv) B.C.F. tipe
 - (v) B.C.F. massa-eenheid (50 pond).
- (g) Die volle ekspedisie ontvang breedvoerige onderrig in brandvoorkoming en brandbestryding en word ook toegerus met 'n volledige handleiding.

(Dié artikel is goedgegunstelik deur die Departement van Vervoer aan die Bulletin voorsien.)

Summary of the Chairman's Report 1969/70

DR. L. E. KENT

The Committee arranged four meetings during the year.

The films:

- (1) '47° South' (on Marion Island)
- (2) 'D.E.W. Line'
- (3) 'People of the Arctic'
- (4) 'Scott of the Antarctic'

were shown and proved to be very popular. In particular 'Scott of the Antarctic' which featured John Mills as Scott was very well attended and many people have expressed the hope that it will be shown again.

Talks illustrated by colour slides included:

- (1) 'Two years at Halley Bay' by Dr. L. M. Jubes of British Antarctic Surveys,
- (2) 'Borgabasis – 'n Geologiese Oorwinteringsbasis in die Berge 400 km Suid van SANAE' by Messrs A. Aucamp and L. Wolmarans.

Both these talks were most interesting. The account of the exploration of an hitherto completely unknown part of Antarctica captured the imagination of the listeners.

The annual dinner was very successful and well attended as usual. The guest speaker on this occasion was one of our patrons, Mr. D. J. Joubert, then Secretary for Transport.

The Department of Transport is sponsoring the publication of a South African Journal of Antarctic Research which will be issued under the auspices of the Scientific Committee for Antarctic Research, and produced and distributed by the publishing division of the C.S.I.R. The proposed name for the journal is 'Antarktika' with Dr. D. G. Torr as scientific editor.

Sedert 1966 is die Bulletin saam met die tydskrif *Spectrum* van die Stigting vir Onderwys, Wetenskap en Tegnologie, uitgestuur. Die oplaag van hierdie tydskrif is om en by die 6 000, en ek het onlangs van mnr. V. C. Wood, Hoofredakteur, verneem dat hy gedurig navrae van onderwysers(esse) kry wat na die Bulletin uitsien, indien dit nie betyds beskikbaar is nie.

Ek wil graag die borge van die Bulletin asook van ons Antarktiese Medaie, BP Suidelike Afrika (Edms) Bpk. van harte vir hierdie onontbeerlike ondersteuning bedank.

logical Similarities
Between
Antarctica and South Africa
PROFESSOR FETER KING,
Department of Geology, University of Natal

ic been preparing this address for a long time. I
have been observing since 1910, when at a dinner
at Lyttelton, New Zealand, I then studied a the
leaving for Antarctica. It was Captain Scott
a boy I wanted to go too, but had to wait 30 y
are I stand in South Pole

These of you who have been without members
of the Antarctic community, particularly
of the various disciplines and
of the various disciplines and
there is a lot of work that may
be done at SANAE

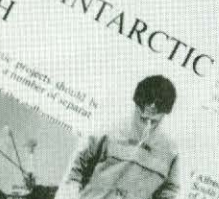
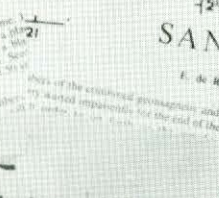
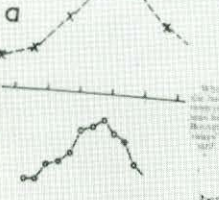
COLLOQUIUM ON ANTARCTIC
RESEARCH

the first colloquium on
Antarctic research was
held in 1958 at the Council
of the International
Geophysical Year

various Antarctic projects should be
effort and not as a number of separate
efforts

ANTARKTIESE BULLETIN
"ANTARKTIESE BULLETIN" MAKES ITS DEBUT

REFERENCE AT SANAE, ANTARCTICA, 1964
Robertson, Hermanns Magnetic Observatory



News from SANAE and the Islands

When the ship departed from Cape Town on 20 November, it was still snowed out of the port. The ship was high on the 20th morning. It was the first time since 1961 that the ship had left the port.

VISIOENE IN ANTARKTIESE NAVORSING
DIE JAAR GELEWY TYDENS DIE DERDE JAARLIKSE DINIE VAN DIE S.A. ANTARKTIESE VERENIGING GEHOUD TE PRETORIA OP 20 JUNIE 1965

SANAE to SOYLA
F. de Ridder, Geoloog SANAE, VH (1966)

Die Kaapstadse Magnetiese Anom Kosmiese Strale
Departement Fisika, Potchefstroom Universiteit

CAPTAIN ALFRED RITSCHER, 1879-1963
by V. van Rieën

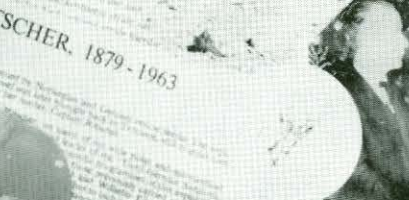
Y I WENT TO THE ANTARCTIC
H. Harvey Price

ANTARKTIESE BULLETIN
I. J. (Hannes) La Grange

ANTARKTIESE BULLETIN
I. J. (Hannes) La Grange

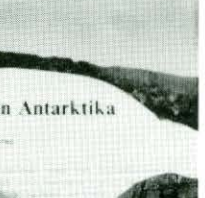
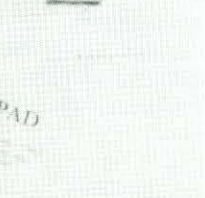
THE HUSKY FRIEND AND FIGHTER

U.S.A. VANDER MEER



BAKENS OP DIE PAD

U.S.A. VANDER MEER



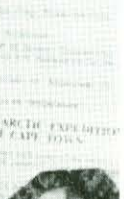
VOORSITTER SE JAARVERSLAG

U.S.A. VANDER MEER



TOBOGGANS IN ANTARCTICA

U.S.A. VANDER MEER



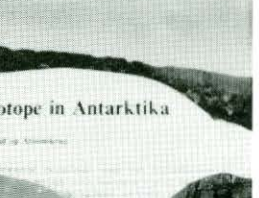
REDAKSIONEEL - EDITORIAL

U.S.A. VANDER MEER



TOEPASSING VAN RADIO-AKTIEWE ISOTOPE IN ANTARKTIKA

U.S.A. VANDER MEER



DE JAARLIKSE DINIE VAN DIE VERENIGING

U.S.A. VANDER MEER

U.S.A. VANDER MEER

U.S.A. VANDER MEER

Die Medalkomitee het eenparig besluit om nie vanjaar 'n medalje toe te ken nie.

Die skielike heengaan van Dr. André van der Merwe, 'n baie aktiewe lid van die Vereniging, 'n vroeë redakteur van die Bulletin en wie laasjaar met die goue medalje bekroon is, op 4 Desember was 'n groot skok. 'n Hele paar lede van die Vereniging het die roudiens in Pretoria bygewoon en medelye aan sy eggenote en familie betuig. Ek wil ook graag melding maak van die eerste noodlottige ongeluk wat ons Antarktiese Ekspedisies getref het nl. die afsterwe van Gordon Mackie van SANAE X wat op 3 Desember in die berge na sy dood geval het. Ons as Vereniging treur saam met sy maats en wil ook ons innige meegevoel met sy familie betuig.

'n Nuwe Antarktiese uitstalling wat o.a. 'n diorama van 'n Antarktiese toneel met lig- en klankeffekte asook 'n nabootsing van 'n gedeelte van die woonkwartier by SANAE sal behels, word tans beplan en sal hopelik in die loop van 1970 voltooi word. Die Departement van Vervoer het goedgegunstiglik 'n ou hondeslee en ander toerusting spesiaal van Antarktika vir die uitstalling laat terugkom. Bo en behalwe beligte groot kleurfoto's, gaan kleurskyfies d.m.v. 'n outomatiese projektor vertoon word. Hier is 'n kans vir lede wat foto's van algemene belang besit om hulle vir moontlike duplisering beskikbaar te stel.

Mr. Kingwill has put forward a very interesting suggestion concerning club membership, viz. that we confer membership of the Association on all past and present expedition members. From this year on, every returning expedition member would receive on arrival

in Cape Town, a letter (or card) from the Hon. Secretary advising that he was now a member of the Association. Such members would not be called upon to pay annual subscriptions, but it would be indicated that voluntary contributions to the Association's funds would be welcome.

Those who have not wintered over in Antarctica or on the Islands, would, as in the past, be able to join the Association, but would have to pay annual subscriptions.

At the present time although we have distinguished Patrons, we do not have any Honorary Members. The Tenth Anniversary of the founding of the Association may be a suitable occasion for electing one or more distinguished Antarctic explorers and/or scientists to Honorary Membership.

Last year saw the establishment of the four-man wintering over base in the Borga and the exploration of much virgin territory. This work and the long traverses now being planned up to the great Polar Plateau is arousing considerable public interest at present.

U komitee het deeglik op die saak van metaalwapen ingegaan, en 'n ontwerp laat maak, en 'n tender ingewin.

Ten slotte wil ek u verseker dat dit vir my 'n besondere voorreg was om as u voorsitter te kon optree. Ek wil my opregte dank betuig aan die Vise-Voorsitter Dr. Duncan Baker, die ere-sekretaris mnr. Hannes Loots, die eretresourier mnr. Ferdie Viljoen, en mnr. Marten du Preez, bestuurslid, vir hulle gewillige hulp, ondersteuning en diens. Baie dankie, en sukses vir die Vereniging op sy 10e jaar.

NEWS FROM SANAE AND THE ISLANDS

SANAE Newsletter for April 1970

This month came to a close with the Borga team still halted just north of Muskeg depot besieged by bad weather conditions and mechanical problems. Snow accumulation was so bad on days that the inhabitants of the 'Bread-Wagon' had to be dug out.

Earlier in the month the snow melter became blocked. During attempts to clear it a marker pole was accidentally dropped down the shaft, and landed on Willem's left hand. Consequently Peter had to put aside his crowbar and spade for a while and amputate the tip of Willem's left little finger, which is now covered by a huge bandage.

About a fortnight ago there was a brilliant display of aurora which competed with the full moon. Harm who was in the seismic hut at the time saw the magnetic disturbance registered on his instruments and in his haste to get outside and see the display slipped at the top of the shaft and fell twenty feet breaking his right patella. His leg is now in plaster and he is busy learning to use a pair

of crutches. We all hope that he will soon regain the full use of his leg.

During a severe storm, driftsnow filled the balloon shaft to a depth of twenty foot and the meteorologist had, as a result, to stop launching balloons until it was cleared.

Early one morning Willem and Peter set out in the caterpillar for substation to collect a toboggan and other supplies. However, they lost their way and had to return to the base empty handed, when overtaken by darkness. Several days later Willem and Eugene left for Draaipunt in the caterpillar taking with them essential spares for the muskegs of the Borga party. It is hoped that these will help to get the party on the move again.

The Skuas have long since left us, but there are still a number of Antarctic petrels and snow petrels to be seen around the base and at the Buktas.

The high point of the month was the celebration of Prieur's birthday on the 25th. Peter was cook and Gert