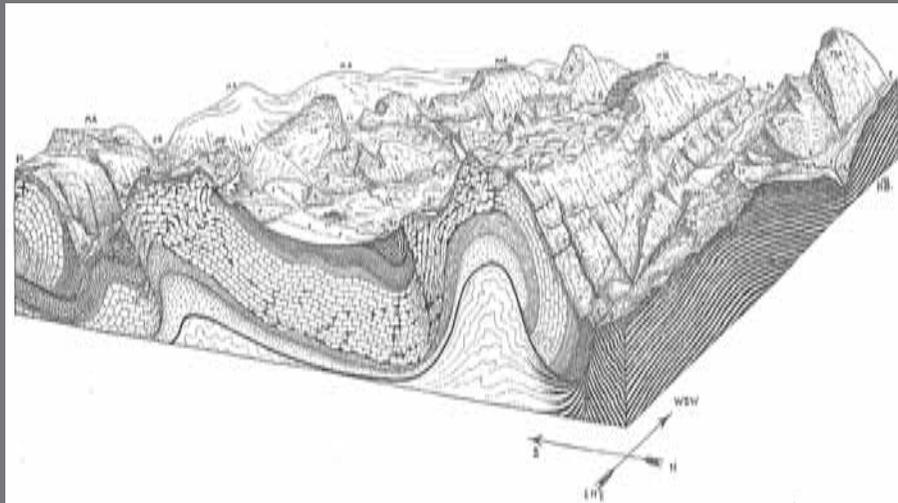


**Nicholas Boutakoff
and
Australia's North West Shelf**

Peter Purcell, Mike Butcher and Yolande M. J. Collins



Fiancée Irene Sergueieff in the Alps c1929



Block diagram, structure of the Loup Valley



Boutakoff mapping in the Alps, 1929



Hand-drawn Christmas card, c 1930



Bakavu, Lake Kivu, c1930 (SLV)



Boutakoff's camp, c 1930



Preparing to depart on survey, c 1930

Kivu: Karoo discoveries and geological map

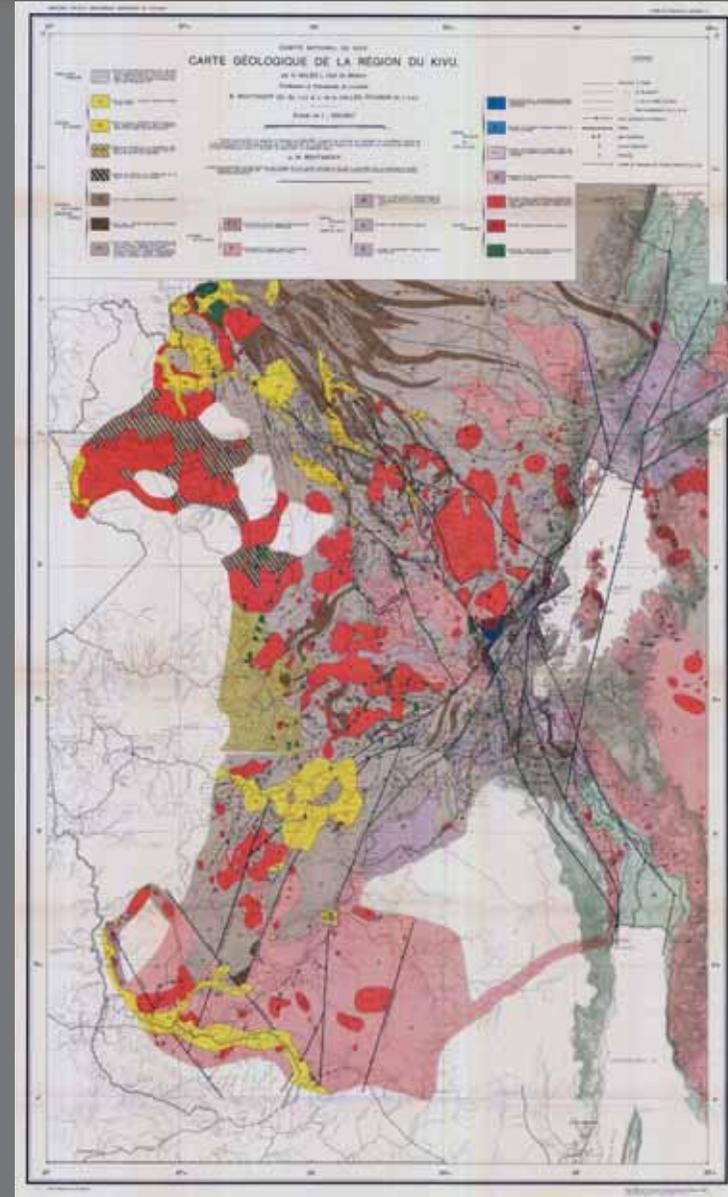
P&R



*Above. Karoo outcrops,
west of Lake Kivu (SLV)*



Left. Tillite outcrop (SLV)



*Right. Geological Map of
Kivu Region*



Irene Sergueieff, c 1935 (IK)



Nicholas and Irene enroute Africa, 1935



Irene in Mombasa, Kenya, 1935

In love in Africa 1935-6

P&R



(IK)



(IK)



(SLV)



Workmap showing main Earth lineaments, c1946

P&R

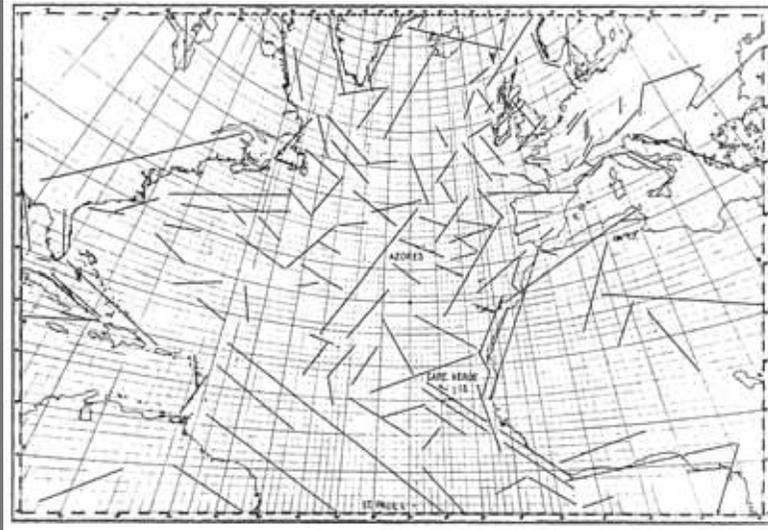


Mercator projection

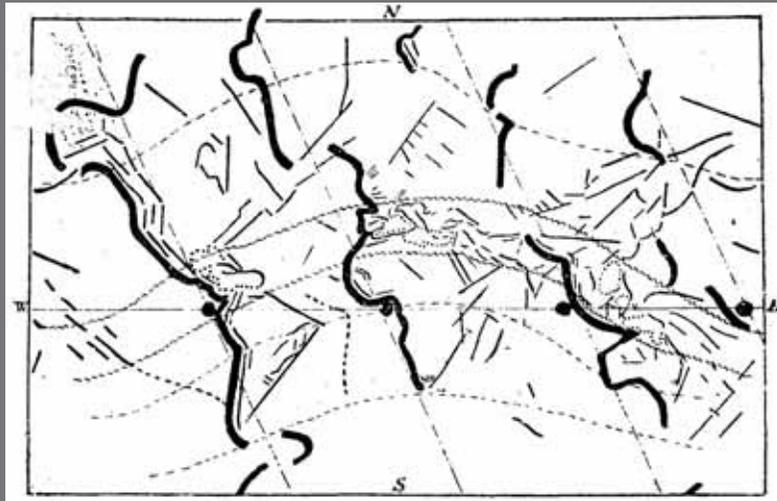
SLV

The Great Circle Fracture Pattern

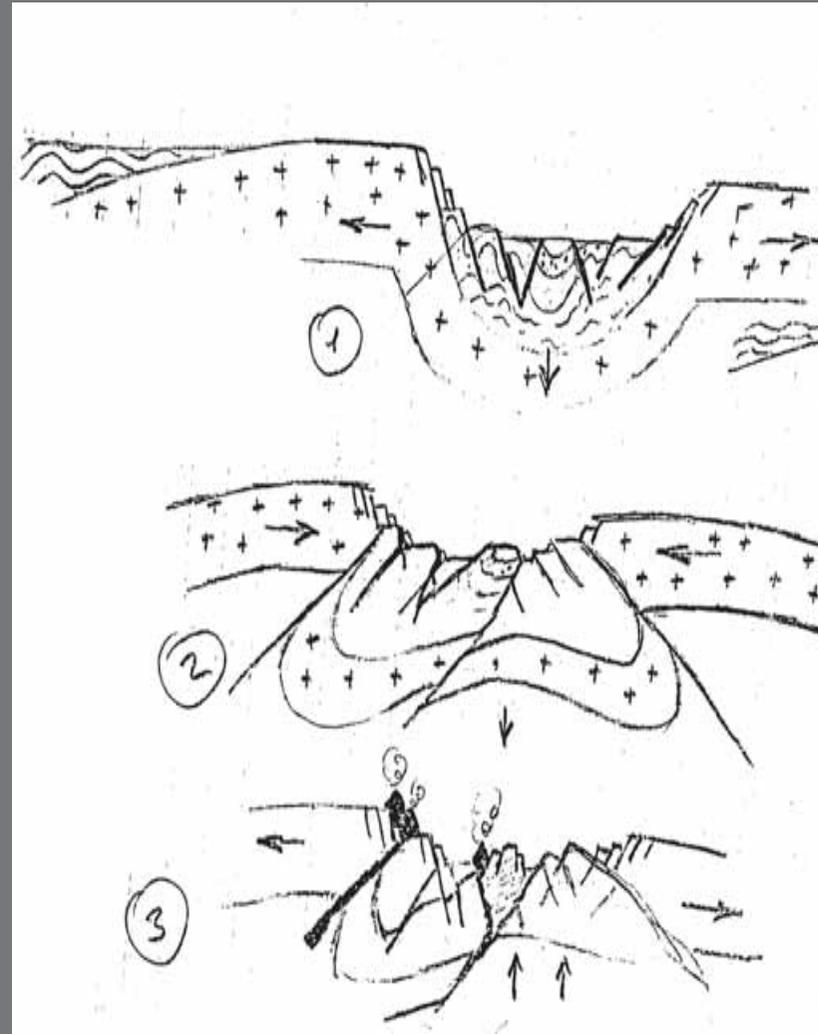
P&R



Gnomic Projection: great circles are straight lines



Great circle fractures causing similar lineament shapes

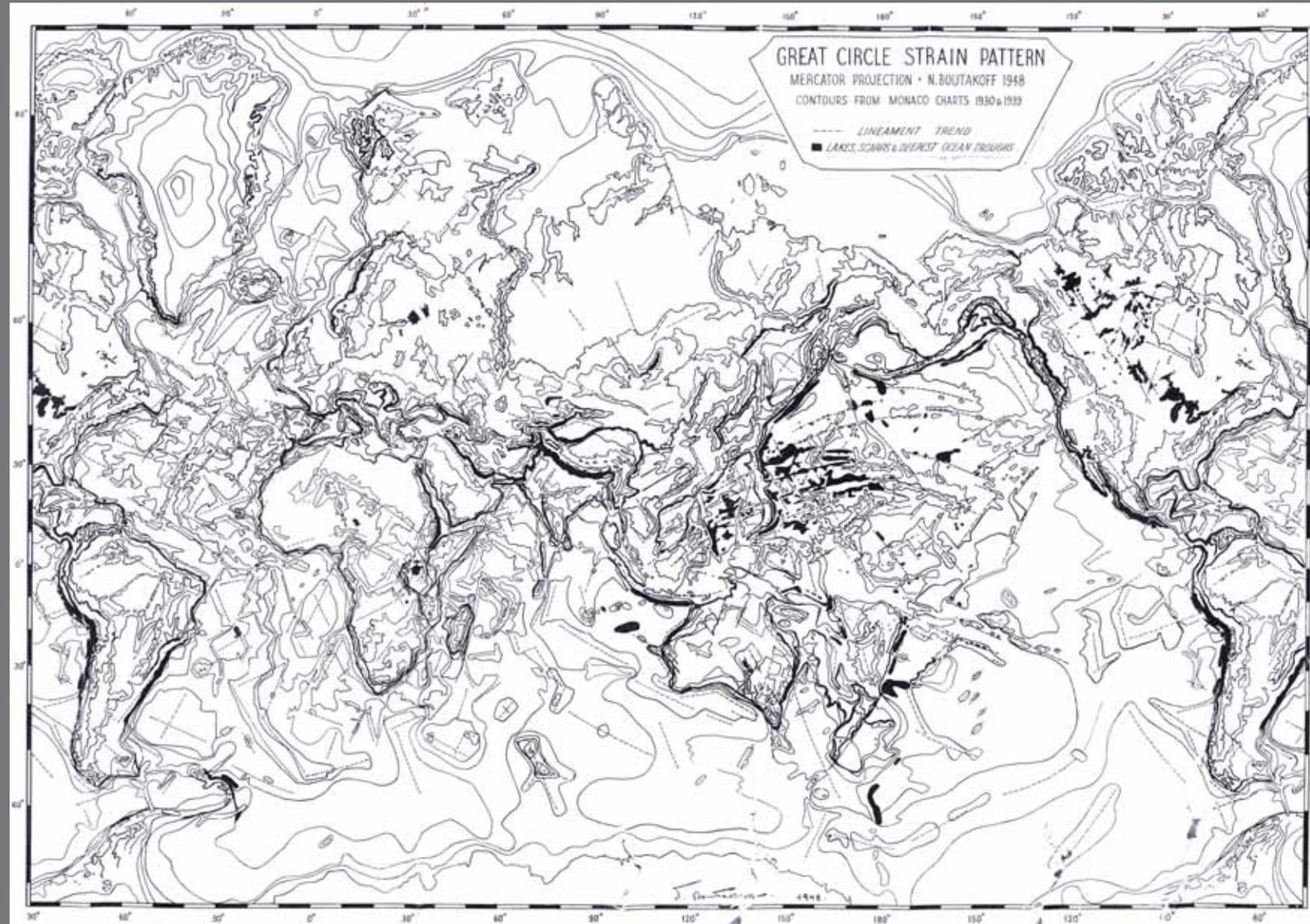


Hand-drawn sketch showing alternating tensional and compressional stages in the formation of the Kivu Rift.

(SLV)

Great Circle Stress Pattern, 1948 map

P&R

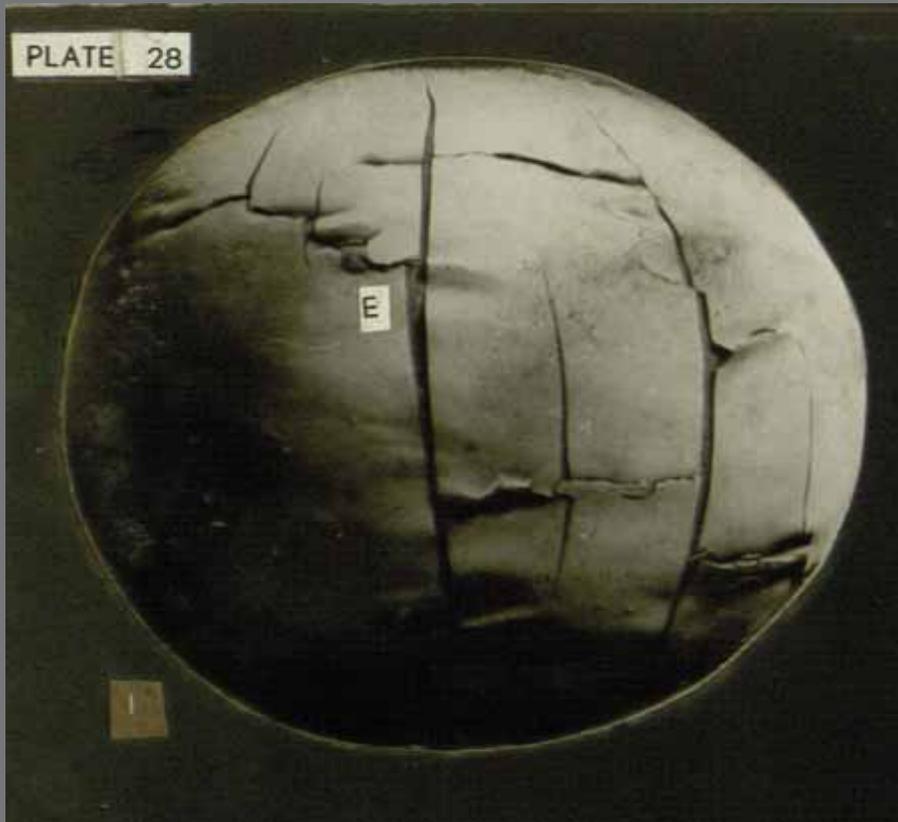


(SLV)



Deformed sphere experiments 'confirm' global tectonic model

P&R



(SLV)

Visiting Rough Range oil discovery, 1954

P&R



Above left. Murray Johnstone collecting oil from test at Rough Range-1, 1953

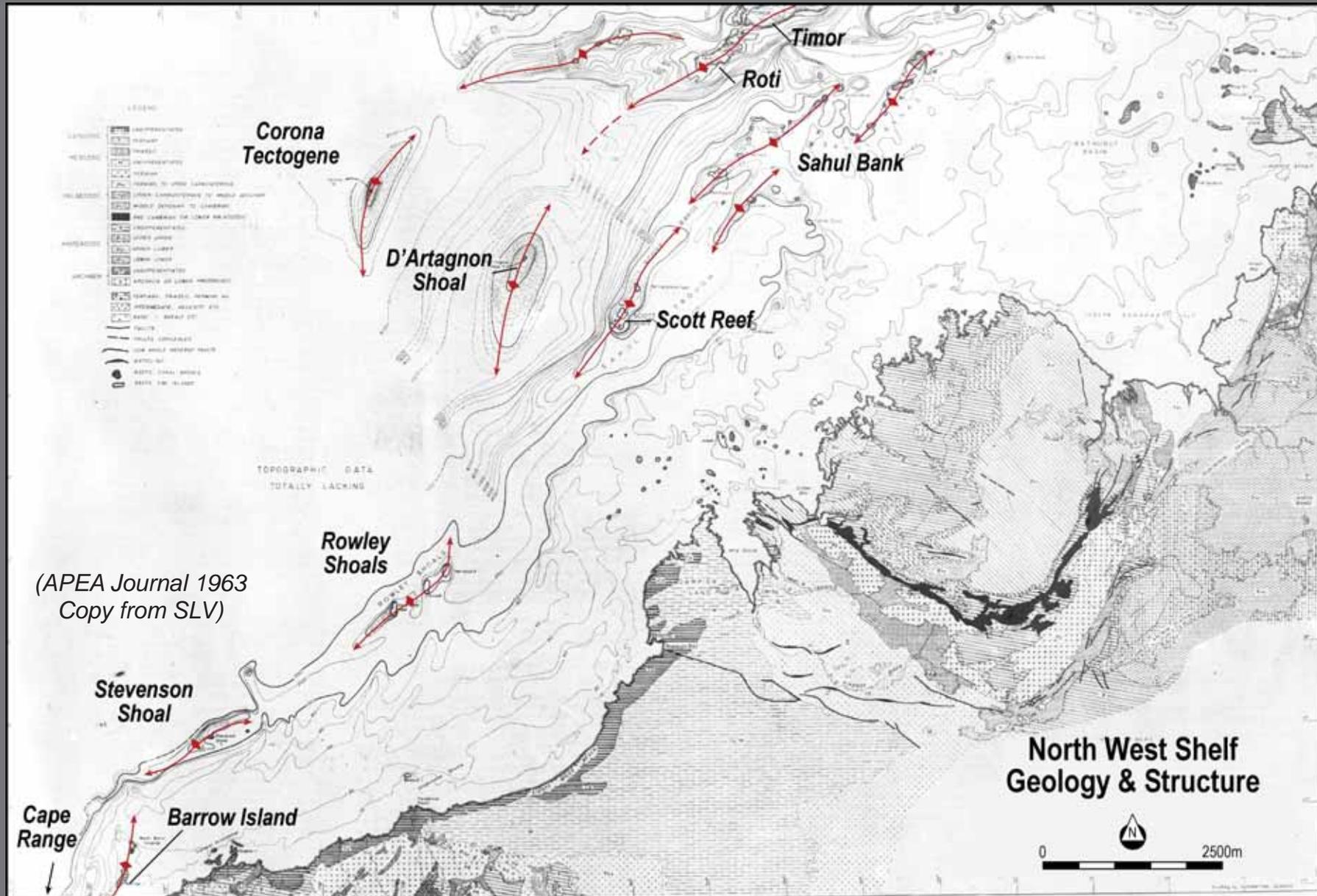
Above. Boutakoff (tall man near wing tip) arriving at Learmonth airstrip, 1954)

Left. Looking north from Cape Range.

(SLV)

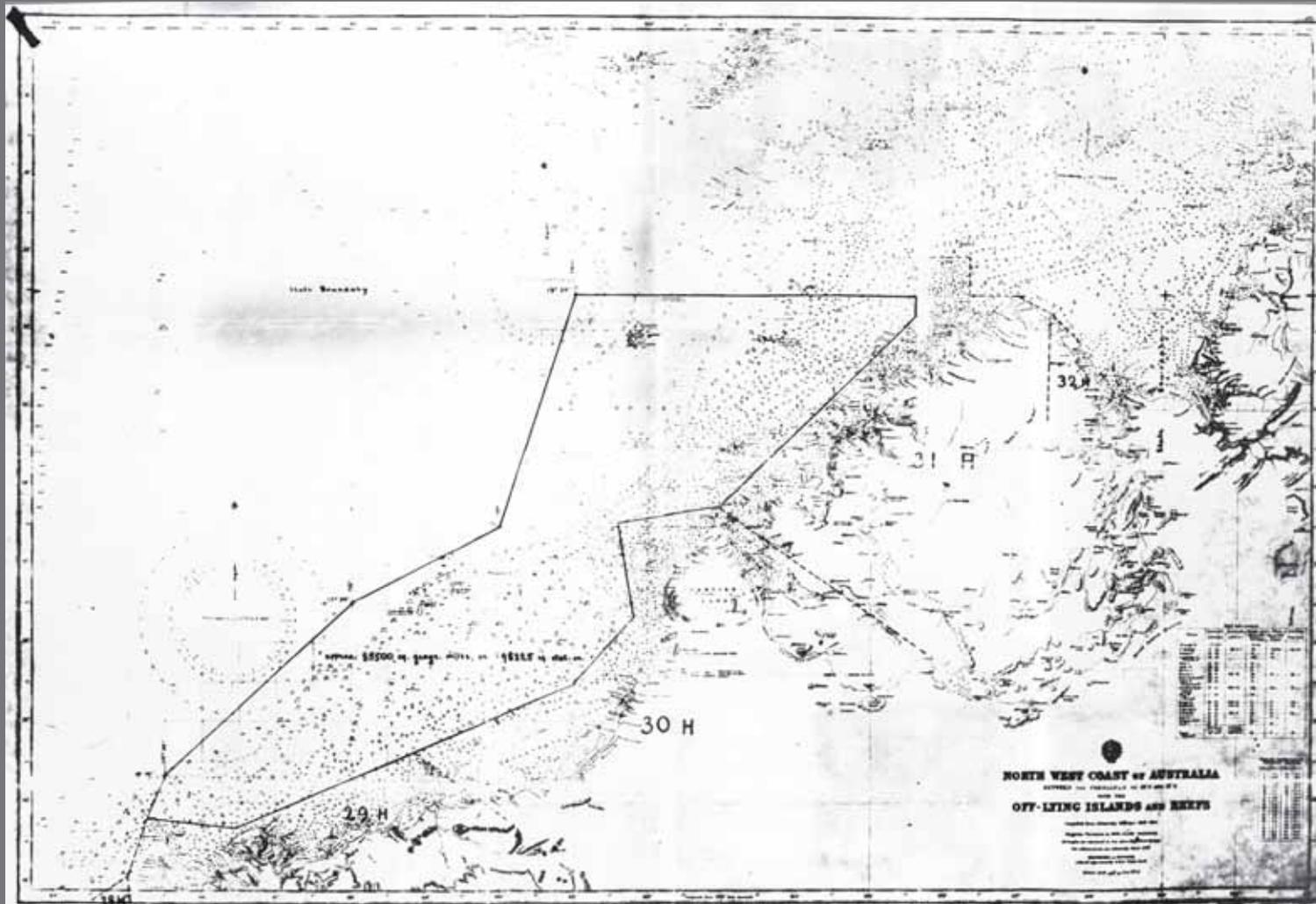
Boutakoff's North West Shelf bathymetric contour map

P&R



Northern Holdings application map, 1955

P&R



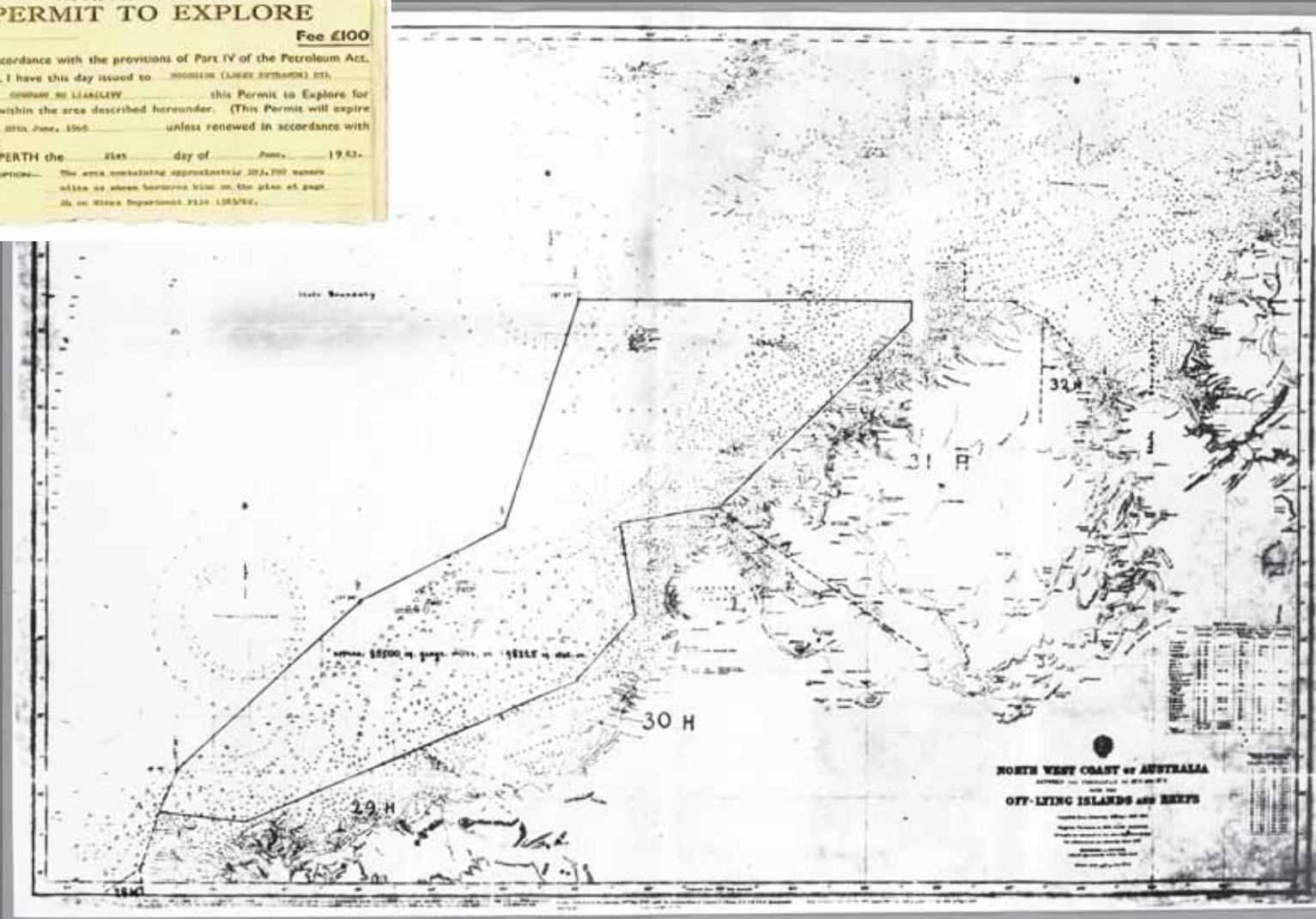
The Woodside application map and permit, 1962/3

P&R

The Petroleum Act, 1936-1954
PERMIT TO EXPLORE
No. 2331. **Fee £100**

In accordance with the provisions of Part IV of the Petroleum Act, 1936-1954, I have this day issued to MOOREHEAD (LAKER STRANDS) LTD.
OSWALD RO. LANSLEY this Permit to Explore for Petroleum within the area described hereunder. (This Permit will expire on 31st June, 1965 unless renewed in accordance with Section 35).
DATED at PERTH the 23rd day of June, 1962.

DESCRIPTION— The area consisting approximately 302,700 square miles as shown bordered blue on the plan at page 26 of Mines Department 9130 1383/62.



(SLV)



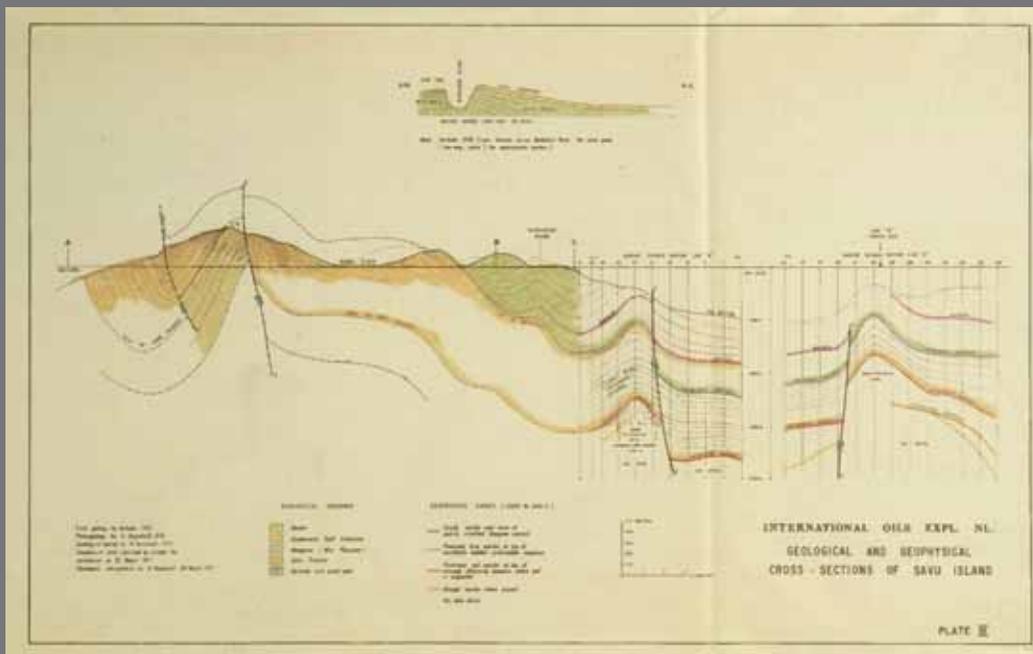
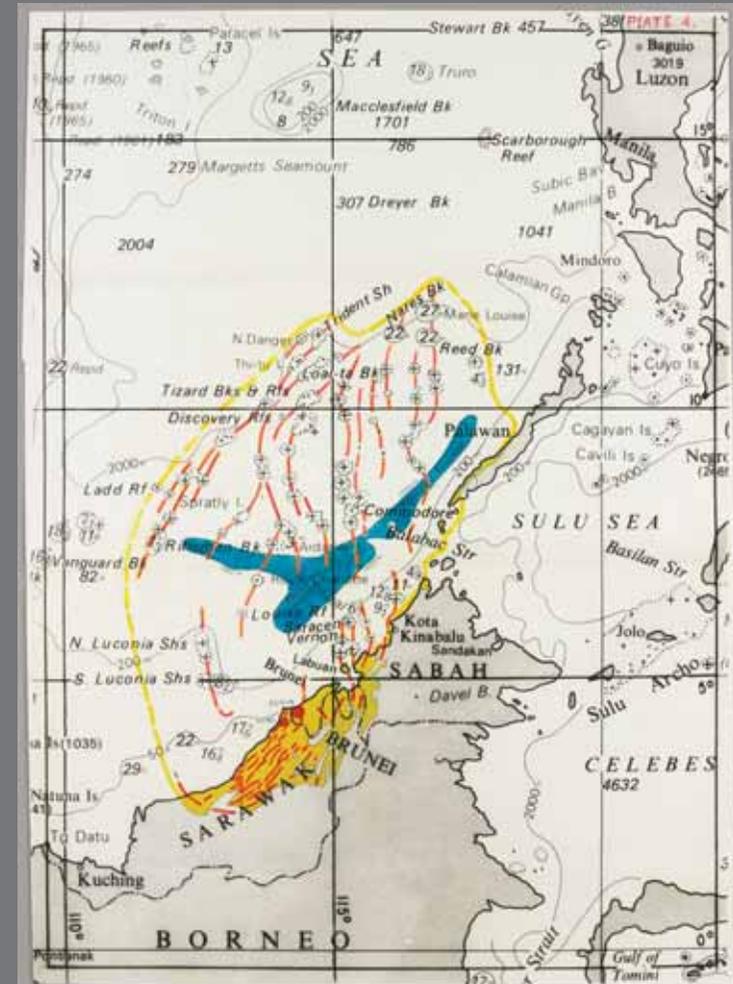
*Geoff Donaldson,
Chairman*



*Rees Withers,
Managing Director*



*Nicholas Boutakoff,
Exploration Manager*





*Nicholas, Irene and friends at their 25th Wedding Anniversary, 1975
(Irene, in red dress. has her hands protectively on Nicholas and her mother)*

Torosa Gasfield drilling at Scott Reef

P&R



*Photos and maps marked SLV are reproduced from the Boutakoff Papers, PAC 343 ,
Manuscripts Section, State Library of Victoria, Melbourne Australia*

Thanks also

*to Ingrid Koehler for photos of her mother Irene Sergueieff
to Woodside Energy Ltd for photos of the rig at Scott Reef and the LNG tanker*

and

*to the many friends and associates of Nicholas Boutakoff
who have helped us,
especially the late Vladimir Michels and Peter Kenley*