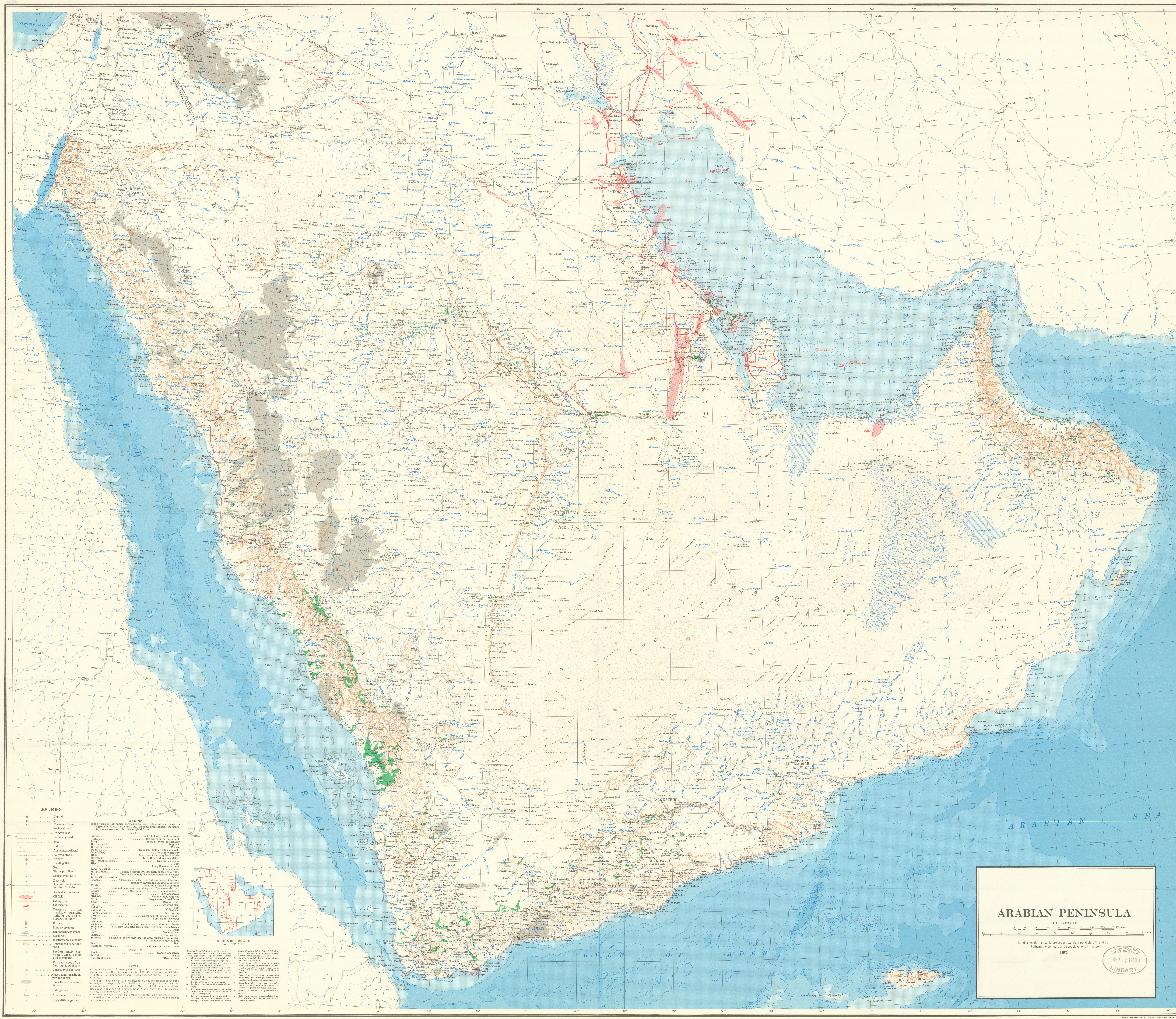
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

KINGDOM OF SAUDI ARABIA
MINISTRY OF PETROLEUM AND MINERAL RESOURCES

MISCELLANEOUS GEOLOGIC INVESTIGATIONS
MAP I-270 B-2


MEDITERRANEAN SEA
SINAI PENINSULA
NUBIAN DESERT
RED SEA
AN NAFŪD (THE GREAT NEFUD)
KINGDOM OF SAUDI ARABIA
HASHEMITE KINGDOM OF JORDAN
IRAQ
NEUTRAL ZONE
KUWAIT
EASTERN PROVINCE
PERSIAN GULF
GULF OF BAHRAIN
QATAR
TRUCIAL 'UMAN
STRAIT OF HORMUZ
GULF OF OMAN
MASQAT
'UMAN (OMAN)
GULF OF MASIRAH
JIDDAT AL HARĀSĪS
SAWQIRAH BAY
AR RUB' AL KHĀLĪ
ARABIA
NAJD
ḤIJĀZ
'ASĪR
YEMEN
ADEN PROTECTORATE
ḤAḌRAMAWT
AL MAHRAH
ẒUFĀR (DHUFAR)
AL QAMAR BAY
GULF OF ADEN
SUQUṬRĀ (Socotra)
ARABIAN SEA
AR RIYĀḌ (Riyadh)
MAKKAH (Mecca)
Al Madīnah (Medina)
Jiddah
ADEN
ṢAN'Ā'
AL KUWAYT
AL MANĀMAH
AD DAWḤAH (Doha)
MASQAT (Muscat)
TRANS-ARABIAN PIPELINE
SAUDI GOVERNMENT RAILROAD

MAP LEGEND

- ⊛ Capital
- ◉ City
- ○ Town or village
- Surfaced road
- Primary road
- Secondary road
- Trail
- Railroad
- Abandoned railroad
- Railroad station
- Airport
- Landing field
- ▫ Ruin
- Water pipe line
- ◉ ◎ Drilled well. Daḥl
- ● Dug well
- ▫ Ancient surface reservoirs, (Birkah)
- Ancient water tunnel
- Oil field
- Oil pipe line
- Oil terminal
- ▪ Pumping station, auxiliary pumping unit, or gas and oil separation plant
- Refinery
- ⚒ Mine or prospect
- Sabkhah (See glossary)
- Coral reef
- International boundary
- Generalized relief and sand
- I Predominantly barchan dunes, simple and compound
- II Various types of undulating sand sheets
- III Various types of 'uruq
- IV Giant sand massifs in various forms
- Lava flow or volcanic debris
- Date garden
- Area under cultivation
- High altitude garden

GLOSSARY

Transliteration of names conforms to the system of the Board on Geographic Names (BGN/PCGN). In some areas outside the peninsula, names are shown in their original form.

ARABIC

Abraq	Rocky hill with sand on slopes
'Ayn	Spring, solution pit, or well
Barqā'	Same as abraq but broader
Bi'r; pl., Abār	Dug well
Birkah(t)	Cistern
Daḥl	Deep sink hole or solution cavity
Ghubbah(t)	Gulf or deep water bay
Ḥādh	Sand area with many ḥādh shrubs
Ḥarrah(t)	Lava flow and volcanic debris
Ḥasī, Ḥisī; pl., Ḥisā'	Dug well, seasonal
Ḥiṣn	Fort
'Irq; pl., 'Urūq	Long linear sand ridge
Jabal; pl., Jibāl	Hill or mountain
Jāl; pl., Jīlān	Rocky escarpment, low cliff, or side of a valley
Jaww	Pronounced sandy-bottomed depression or valley
Jazīrah(t), pl; Jazā'ir	Island
Khabrā'	Closed basin with firm, flat mud and silt surface, commonly barren and lacking vegetation
Khafs	Pond in a natural depression
Khashm	Headland or promontory along a cliff or mountain front
Khawr	Marine inlet, bay; salty or brackish well
Marsá	Sea anchorage
Mishāsh	Shallow hand-dug well
Nafūd	Large area of sand dunes
Nahr	Stream, river
Qā'	Depressed plain
Qal'ah(t)	Fort
Qalamah(t)	Drilled well
Qalīb; pl., Qulbān	Well, spring
Qārah(t)	Flat-topped hill, usually rounded
Qaṣr	Fort, palace, or castle
Ramlah(t)	Sand area
Ra's	Tip of cape or headland protruding into the sea
Sabkhah(t)	Silt, clay, and sand flat, often with saline incrustations
Sahl	Plain
Sha'īb	Same as wādī
Sharm	Abyss, sea-gulf
Ṣummān	Extensive, rocky, plateau-like area ranging from a plain to a shallowly dissected area
Ṭawī	Well
Wādī; pl., Widyān	Valley or dry water course

PERSIAN

Bandar	Harbor, anchorage
Jazīreh	Island
Rūd, Rūdkhāneh	River, stream

NOTES

Compiled by the U. S. Geological Survey and the Arabian American Oil Company under the joint sponsorship of the Kingdom of Saudi Arabia, Ministry of Petroleum and Mineral Resources, and the U. S. Department of State.

This map is a revision of U. S. Geological Survey Miscellaneous Geologic Investigations Map I-270 B-1, 1958 and has been prepared as a base for a geologic map. It is available at the Ministry of Petroleum and Mineral Resources, Jiddah and Ad Dammām, Saudi Arabia, and at the U.S.Geological Survey, Washington, D. C., U. S. A.

Elevations in western Arabia are mostly uncontrolled altimeter readings. Indicated position of boundary lines not demarcated on the ground are not necessarily definitive.

SOURCES OF GEOGRAPHIC MAP COMPILATION

Compiled from U.S. Geological Survey Miscellaneous Geologic Investigation Maps as shown above, supplemented by published sources, ground traverses, and photography as follows:

- A. Vertical aerial photography compiled photogrammetrically and controlled by astral fixes, shoran and triangulation.
- B. Trimetrogon aerial photography in large part supplemented by later vertical aerial photography; controlled by astral fixes and some later shoran.
- C. Uncontrolled vertical aerial photography and photo indices.
- C_1. Egyptian Survey Department maps.
- D. Partially controlled vertical aerial photography.
- E. Reconnaissance ground surveys and plane table mapping supplemented by some vertical photography.
- F. Largely unmapped by accurate methods; includes some reconnaissance ground surveys. In part taken from "Routes in South-West Arabia" by H. St. J. B. Philby, C.I.E., 1938 and British Desert Locust Survey Reconnaissance Maps, 1952.
- G. Unreliable published sources; aerial photography not available.
- H. K 667 series 1:100,000 scale photo maps published by British Directorate of Overseas Survey 1959-60, and 1:500,000 scale D. Survey, British War Office and Air Ministry 1961.
- I. Partly from K 667 series 1:100,000 scale photo maps and other published sources supplemented with some ground surveys.
- J. Recently published map sources supplemented by photoplanimetric compilation, aerial photography and ground surveys.
- K. Most reliable and/or recently published map sources.
- L. Bathymetry and reefs interpolated from U.S. Hydrographic Office and British Admiralty charts.

ARABIAN PENINSULA

SCALE 1:2 000 000

25 0 25 50 75 100 125 150 175 200 Kilometers

25 0 25 50 75 100 125 150 175 200 Miles

Lambert conformal conic projection; standard parallels 17° and 33°
Bathymetric contours and spot elevations in meters

1963

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