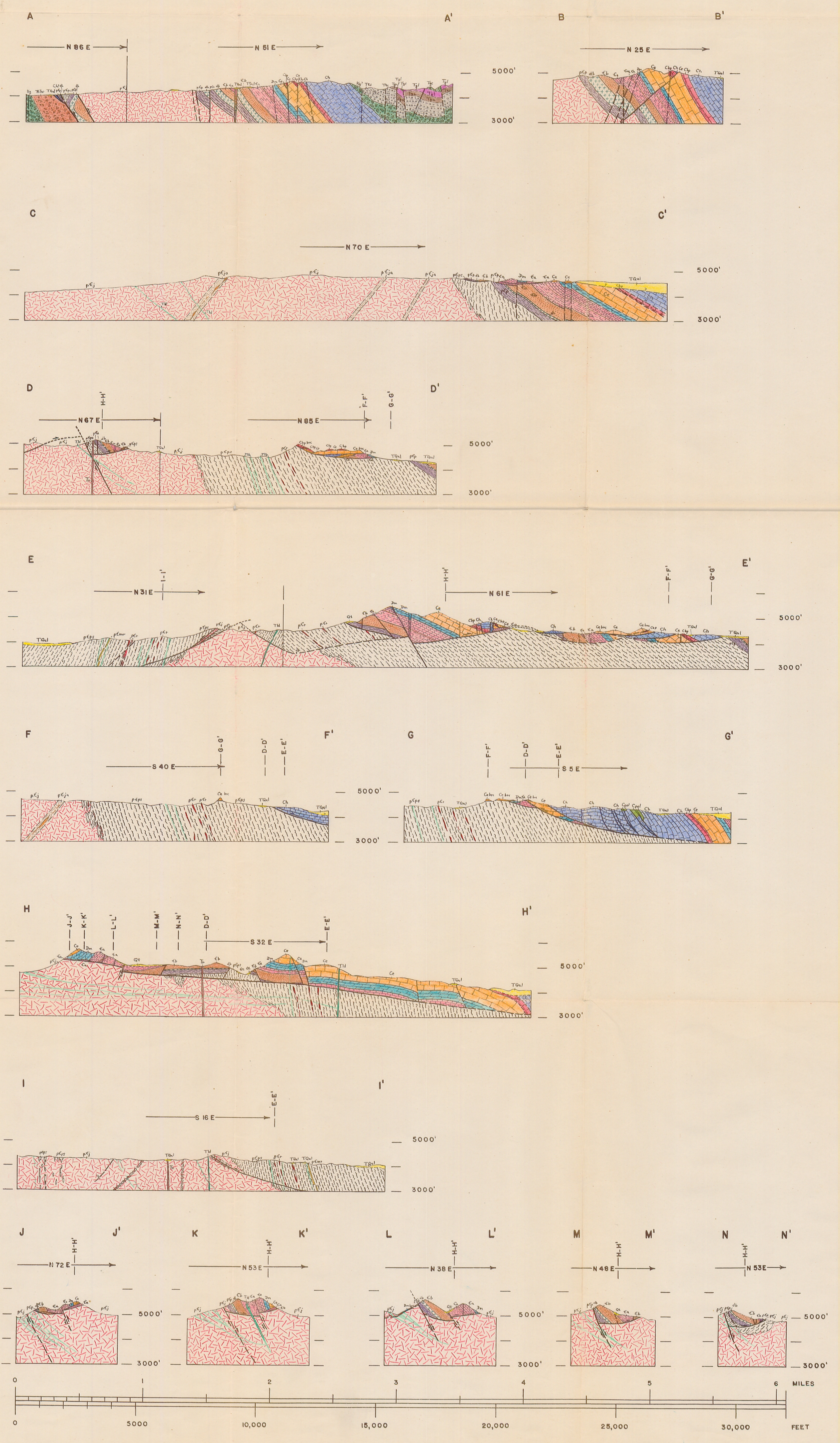
PLATE II

Silver_It_1955




## EXPLANATION

**QUATERNARY** — Pleistocene and Recent / Pliocene

TQal
**Alluvium**
*(Fluviatile conglomerate, sand and silt with some lake beds. Qt, recent talus which may conceal significant relations)*

Unconformity

**TERTIARY** — Eocene(?) to Pliocene(?)

Tgr, Tgc, Tgl, Tga
**Galiuro volcanics**
(Tgr, *rhyolite tuff member*
Tgc, *conglomerate member*
Tgl, *quartz latite member*
Tga, *andesite member*)

Tr
**Rhyolite dikes**

Ttc
**Threelinks conglomerate**
*(Poorly sorted conglomerate and sand with both sedimentary and volcanic rock fragments up to cobbles and boulders in size)*

Unconformity

**CRETACEOUS OR TERTIARY**

Tld, Tlb, Tlu
**Lamprophyre dikes and sills**
(Tld, Tlb } *individually mapped types*
Tlu, *undifferentiated and may include older dikes)*

Unconformity
*(overthrusts)*

**CRETACEOUS** — Lower Cretaceous, Bisbee Group

Kmc
**Morita–Cintura formations undifferentiated**
*(Interbedded shale, sandstone and impure limestone)*

Kg
**Glance conglomerate**
*(Coarse, well-cemented, limestone conglomerate)*

Unconformity

**TRIASSIC OR JURASSIC**

TRJw
**Walnut Gap volcanics**
*(Andesitic and rhyolitic flows and pyroclastics)*

Unconformity

**CARBONIFEROUS**

Middle and Upper Pennsylvanian, Naco Group

Cpel
**Earp formation lower member**
*(Shale, calcareous sandstone and interbedded thin limestones)*

Ch
**Horquilla limestone**
*(Limestone and shale interbedded)*

Upper Mississippian or Lower Pennsylvanian

Cbp
**Black Prince limestone**
*(Limestone with thin basal shale member)*

Lower Mississippian

Ce
**Escabrosa limestone**
*(Cliff making, massive limestone and dolomite)*

**DEVONIAN** — Upper Devonian

Dm
**Martin formation**
*(Dolomite with some shale and sandstone)*

**€AMBRIAN** — Upper €ambrian / Middle €ambrian

€a, €aq
**Abrigo formation**
*(Shale, impure limestone and sandy dolomite; €aq, quartzite marker bed)*

€b
**Bolsa quartzite**
*(Red-brown to white massive quartzite)*

Unconformity

**PRE-€AMBRIAN** — Upper Pre-€ambrian, Apache Group

db
**Diabase sill**

p€p
**Pioneer shale**
*(Purple and tan argillite on grey arkosic quartzite containing the Scanlan conglomerate at base)*

Unconformity

**PRE-€AMBRIAN** — Lower Pre-€ambrian

p€j, p€ja, p€jh
**Johnny Lyon granodiorite**
*(Includes associated aplites and pegmatites
p€ja, altered phase
p€jh, hybrid phase)*

p€mr
**Mica rhyolite sheets**
*(White intrusive rhyolite with conspicuous muscovite plates)*

Regional deformation and metamorphism

p€r
**Rhyolite sheets and other intrusives**
*(Brown rhyolite with coarse rounded quartz phenocrysts)*

p€ps
**Pinal schist**
*(Interbedded sericite schist, phyllite and metamorphosed greywacke-type sandstone)*

# GEOLOGIC SECTIONS OF THE JOHNNY LYON HILLS AREA
# COCHISE CO., ARIZONA

VERTICAL AND HORIZONTAL } SCALE $\frac{1}{24000}$