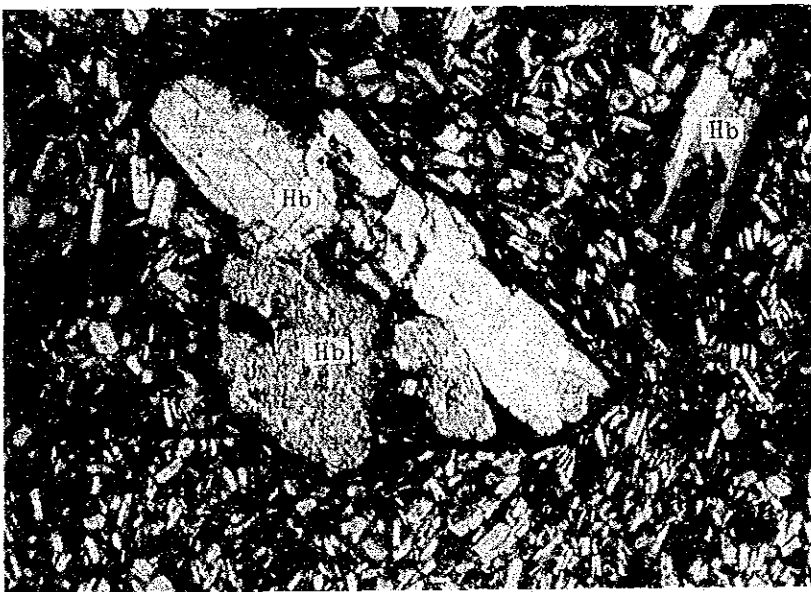


Hb: Hornblend

Parallel Nicol

0 2mm

Hornblende Andesite (Sample No. AA-81R)
Locality; 4 km SSE of Concepcion of East Coast
Phenocryst; Plagioclase, Brown Hornblende
Groundmass; Plagioclase, Clinopyroxene, Magnetite, Silica mineral, Apatite, Glass

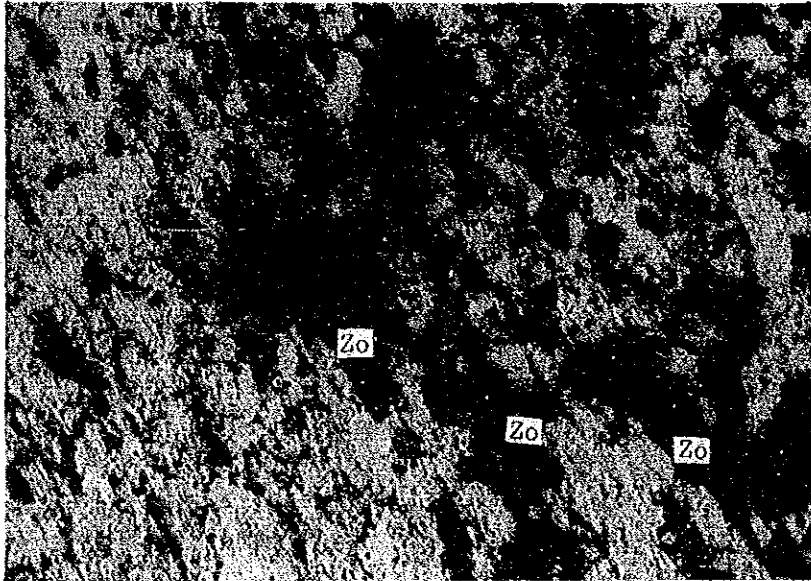


Crossed Nicol

0 2mm

Western Panay · Lonbron Area

(This Section Micro-photograph)

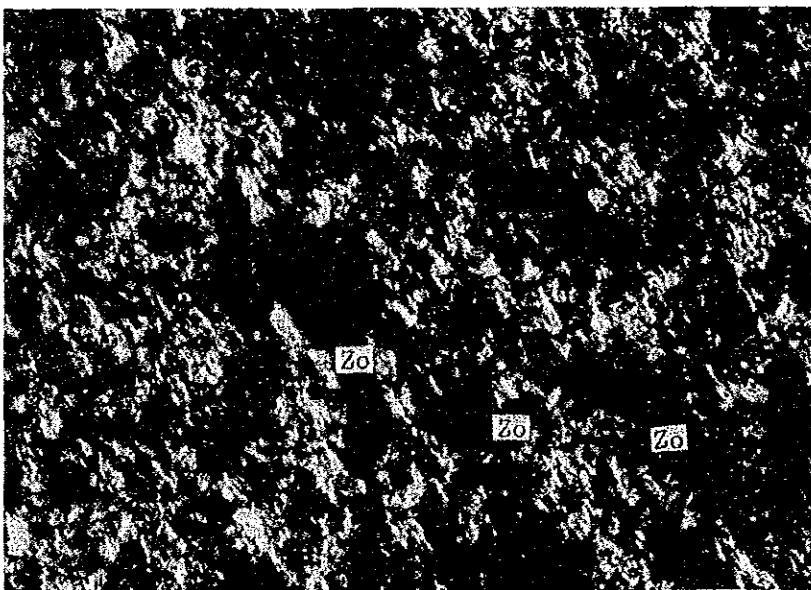


Zo: Zoisite

Parallel Nicol

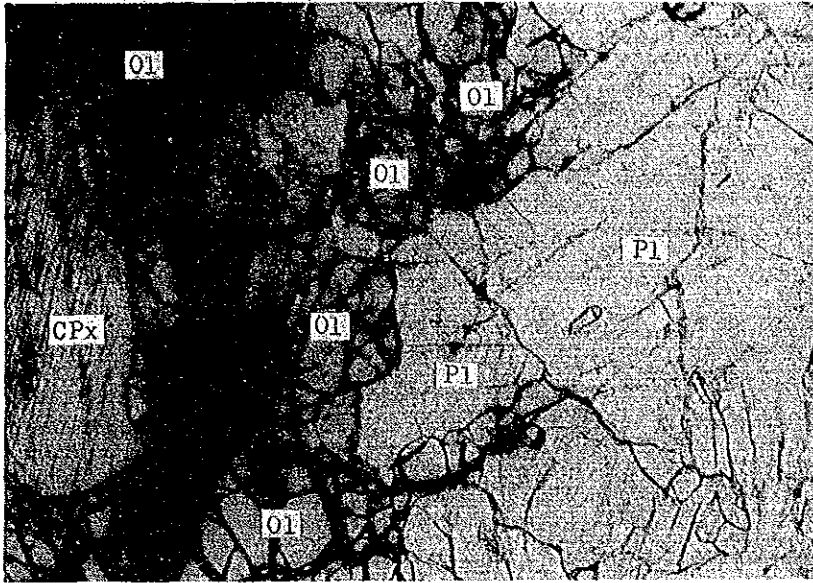


Zoisite-Bearing Semischist (Sample No. FR-46)
Locality; 2 km N of Libertad of Buranga Peninsula
Main Mineral; Quartz, K-feldspar (?), Plagioclase, Sericite, Chlorite, Zoisite, Iron mineral



Crossed Nicol



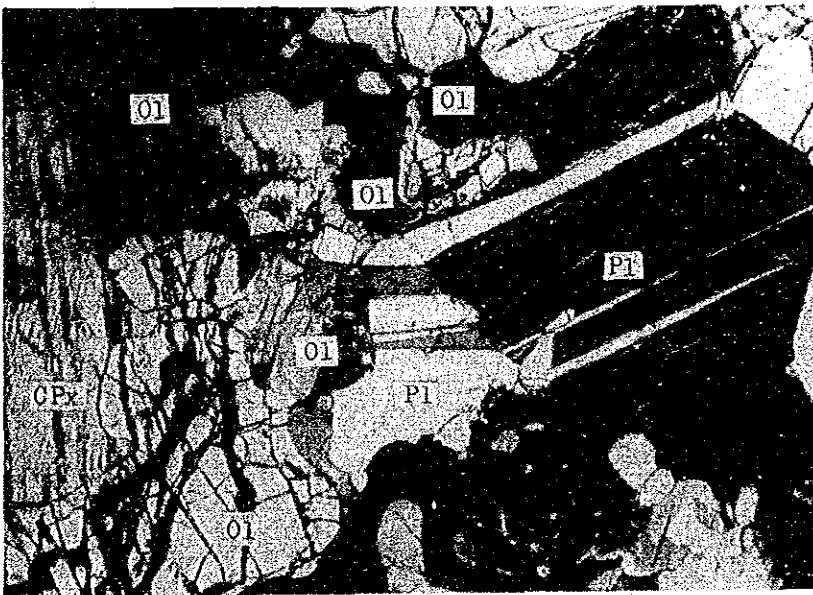


Ol: Olivine
 Cpx: Clinopyroxene
 Pl: Plagioclase

Parallel Nicol

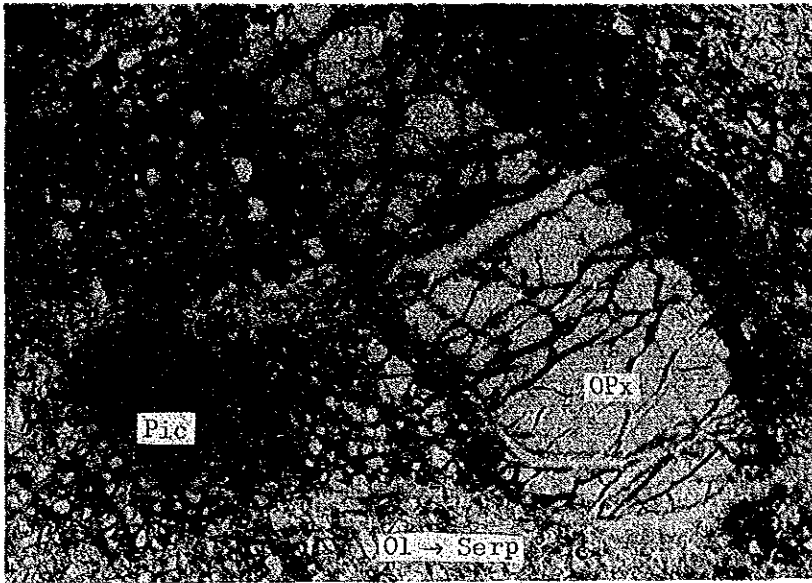
0 2mm

Olivine-Gabbro (Sample No. BR-08)
 Locality; 15 km SW of Kalibo
 Main Mineral; Olivine, Clinopyroxene, Plagioclase
 Accessory Mineral; Opaque mineral
 Secondary Mineral; Serpentine (Along crack of Olivine), Calcite



Crossed Nicol

0 2mm

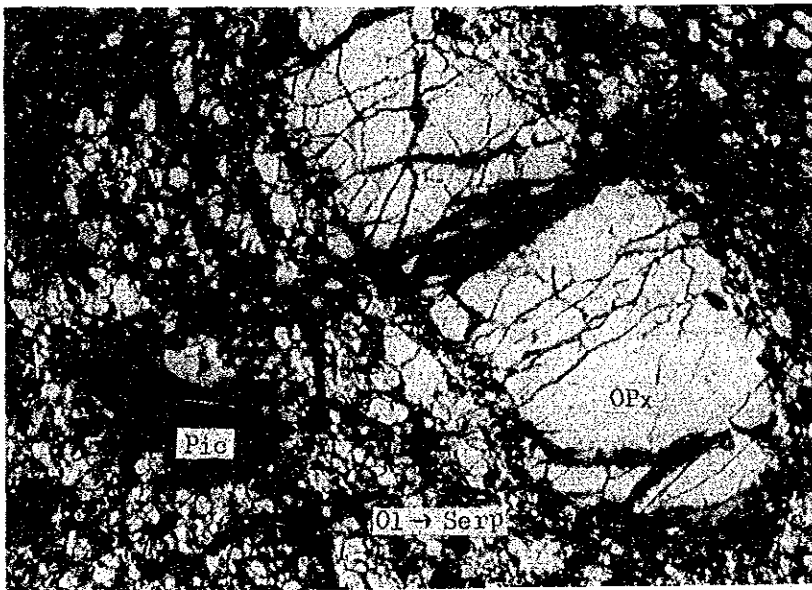


Ol: Olivine
 Pic: Picotite
 Pic: Picotite

Parallel Nicol

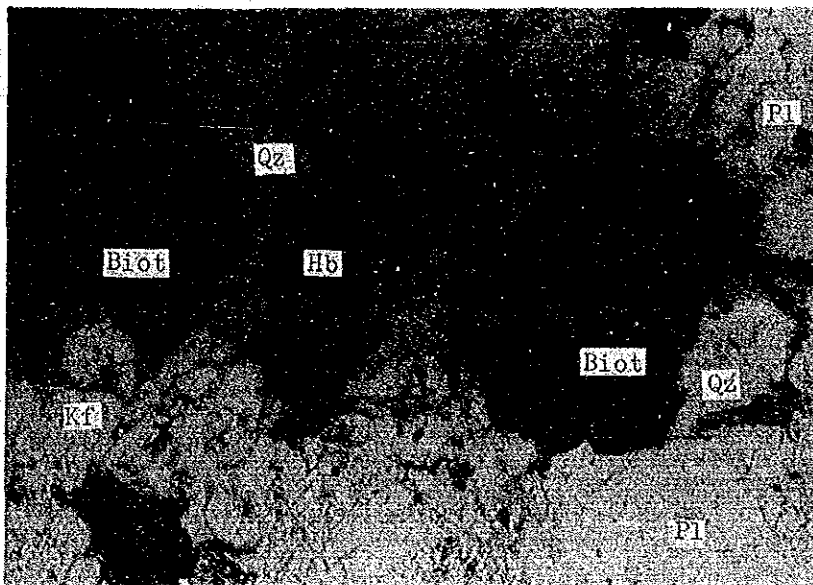
0 2mm

Harzbergite (Sample No. FR-57)
 Locality; 21 km SW of Kalibo
 Main Mineral; Olivine, Orthopyroxene, Clinopyroxene
 Accessory Mineral; Picotite
 Secondary Mineral; Serpentine (Along crack of Olivine),
 Bastite (in Orthopyroxene)



Crossed Nicol

0 2mm

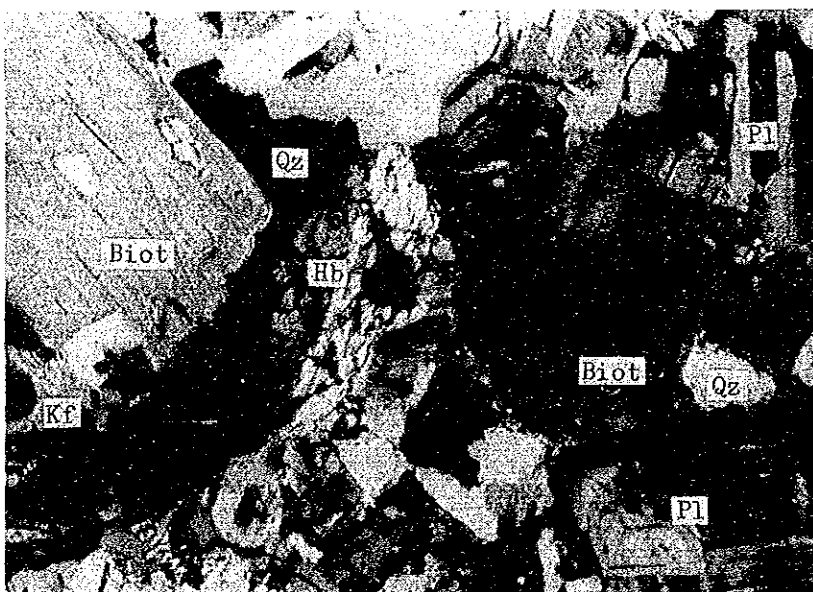


Qz: Quartz
 Kf: K-feldspar
 Pl: Plagioclase
 Biot: Biotite

Parallel Nicol

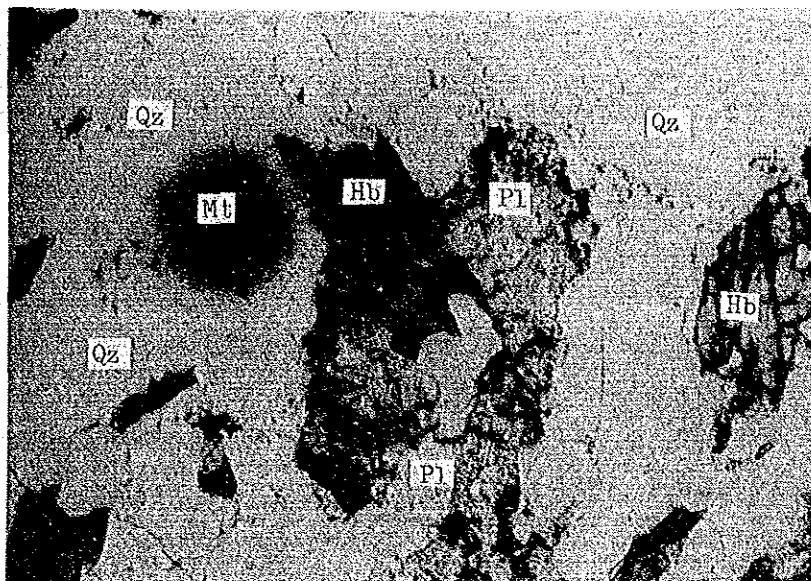
0 2mm

Hornblende-Biotite Granodiorite (Sample No. HR-12)
 Locality; 11 Km WSW of Bagombayan of Curanga Peninsula
 Main Mineral; Quartz, K-feldspar, Plagioclase, Biotite, Hornblende
 Accessory Mineral; Fe-oxide mineral, Apatite, Zircon



Crossed Nicol

0 2mm

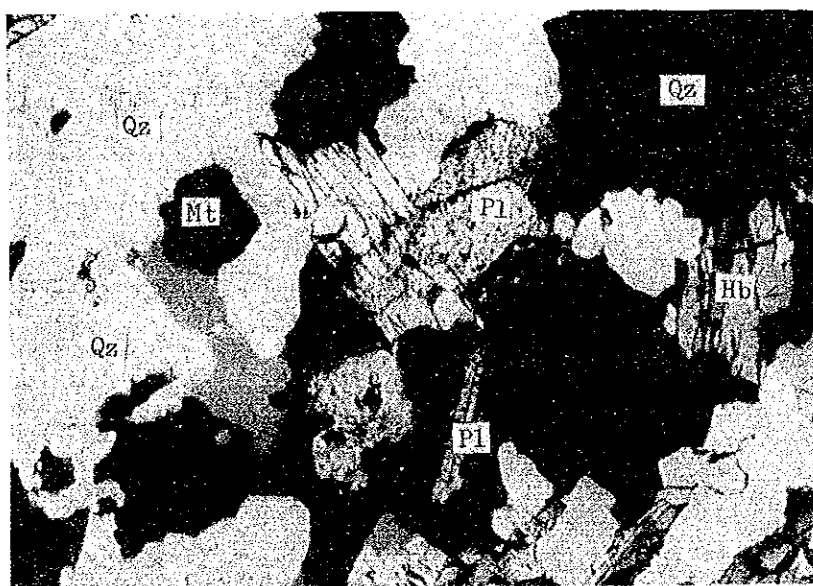


Qz: Quartz
 Pl: Plagioclase
 Hb: Hornblende
 Mt: Magnetite

Parallel Nicol

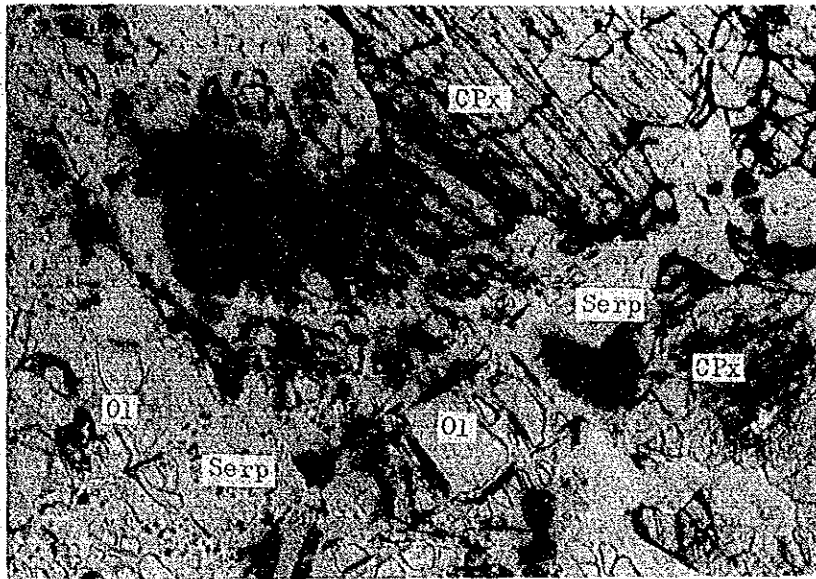
0 2mm

Hornblende-Quartz Schist (Sample No. LR-02)
 Locality; 2.7 km SSE of Caltrava of Tablas Island
 Main Mineral; Quartz, K-feldspar, Plagioclase, Green hornblende, Magnetite, Apatite
 Secondary Mineral; Sericite (in K-feldspar and Plagioclase)



Crossed Nicol

0 2mm

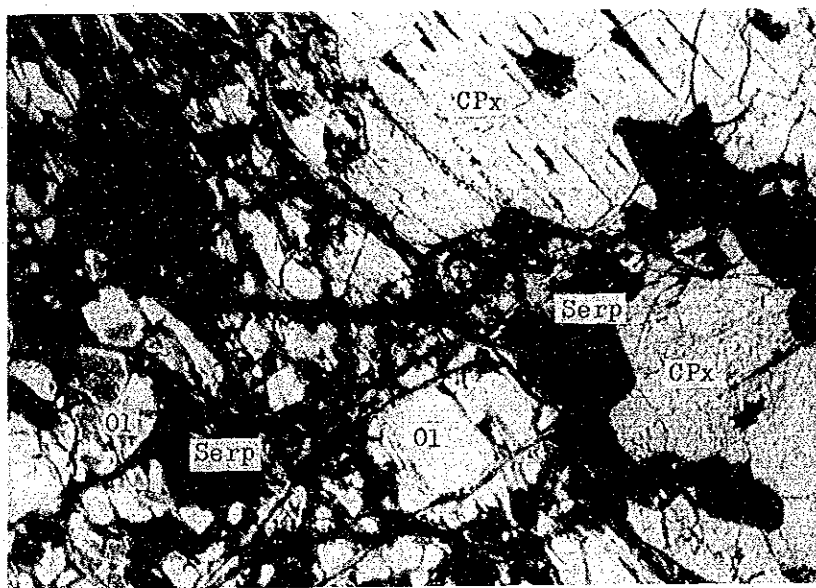


CPx: Clinopyroxene
 Ol: Olivine
 Serp: Serpentine

Parallel Nicol

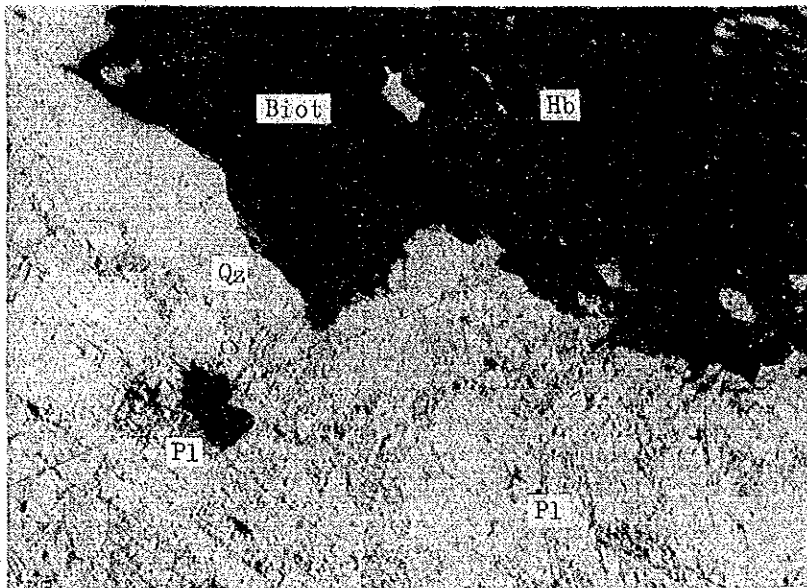
0 2mm

Lherzolite (Sample No. LR-10)
 Locality; 6 km SE of Magdiwang of Sibuyan Island
 Main Mineral; Clinopyroxene, Orthopyroxene, Olivine
 Accessory Mineral; Fe-mineral, Picotite
 Secondary Mineral; Serpentine (in Olivine)



Crossed Nicol

0 2mm

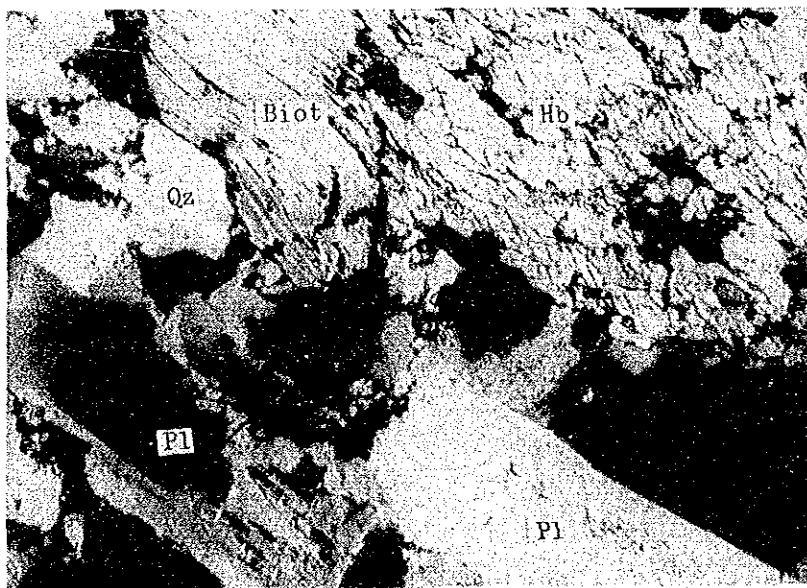


Qz: Quartz
 Pl: Plagioclase
 Biot: Biotite

Parallel Nicol

0 2mm

Hornblende-Biotite Tonalite (Sample No. KR-04)
 Locality; 5 km SE of Sanpitan of Sibuyan Island
 Main Mineral; Quartz, K-feldspar, Plagioclase, Biotite, Green Hornblende
 Accessory Mineral; Magnetite, Sphene, Apatite
 Secondary Mineral; Chlorite (Along frinze or cleavage of Biotite and Sericite (in Plagioclase))

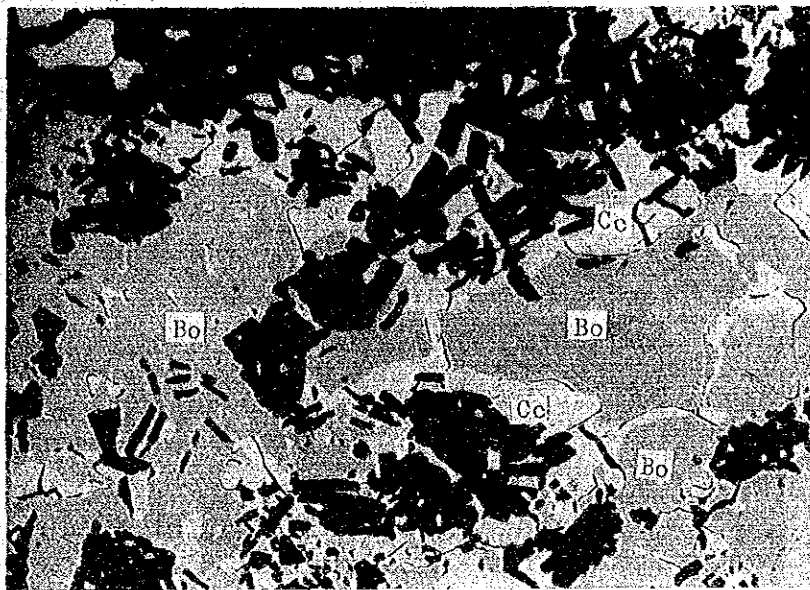


Crossed Nicol

0 2mm

Appendix 2 (Polished Section Micro-photograph)

APPENDIX 2
 Cebu Area
 (Polished Section Micro-photograph)



Sample (CF-209R-1)
 Santo Rita Mine

36 km NE of Toledo

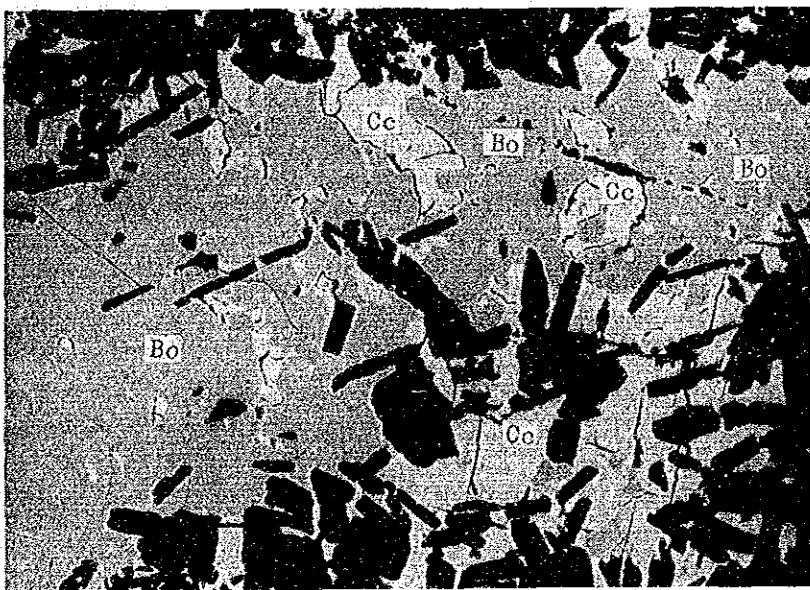
Bornite - Chalcocite
 Vein in a Country Rock
 Border of Bornite is
 replaced by chalcocite.

Bo: Bornite
 Cc: Chalcocite

Ore Assay

Au	Ag
31 ppb	72 gr/t
Cu	
21.4%	

0 1mm



Sample (CF-209R-2)

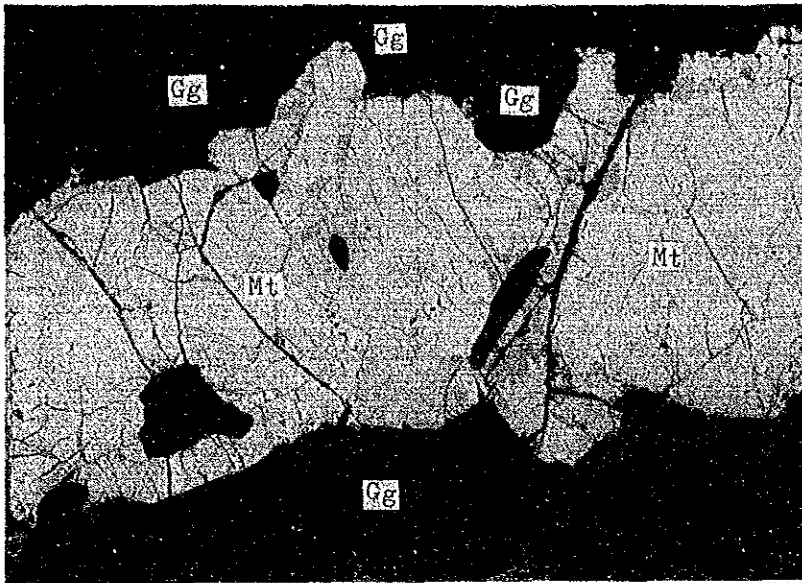
Santo Rito Mine
 36 km NE of Toledo

Bornite-Chalcocite Ore

Border of Bornite is
 replaced by Chalcocite.

Bo: Bornite
 Cc: Chalcocite

0 1mm



Sample (CF-994R)

Botong Sinsin Gold
Showing
Toledo ESE 17 km

Magnetite Crystal in a
Mafic Rock

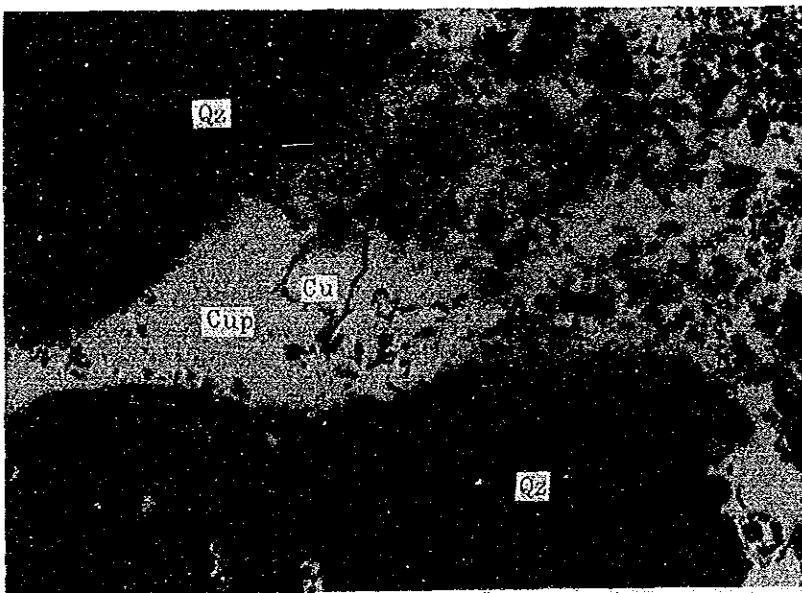
Mt: Magnetite
Gg: Gangue Mineral

Ore assay

Au	Cu
3 ppb	0.03%

0 1mm

Eastern Panay Area
(Polished Section Micro-photograph)



Sample (AE-30)

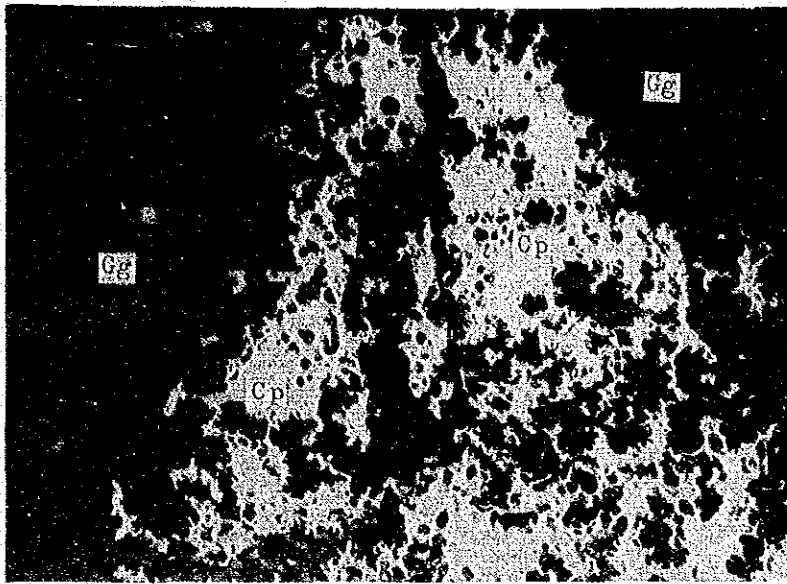
Pari Mineral showing
4 kw SSW of Pilar in
North-eastern Panay
Is.

Cuprite and Malachite
in Oxidized Zone

Native Coppers are
seen in Cuprite.

Cup: Cuprite
Cu : Native Copper

0 0.5mm



Sample (AE-36)

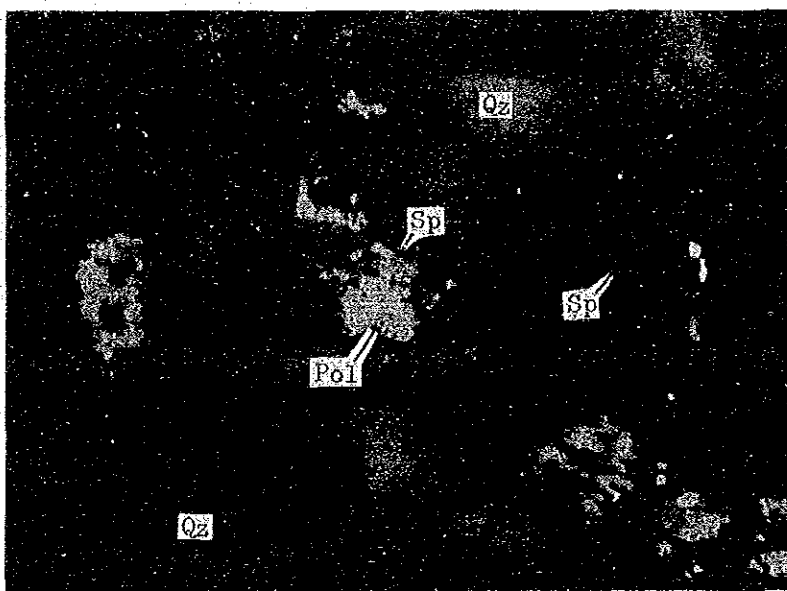
Loay Mineral Showing
4 km SSE of pilar in
north-eastern Panay
Is.

Chalcopyrite Ore
(Dissemination)
Sphalerite and pyrite
are rarely seen.

Cp: Chalcopyrite
Gg: Ganguge Mineral

Ore assay

Au	Ag
34 ppb	16 gr/T
Cu	
8.70%	



Sample (AE-16)

Salvacion Mineral
Prospect 7 km south
of Nueva Valencia is
southwestern
Guimaras Is.

Quartz Vein

Containing Pyrite,
Polybasite and
Sphalerite.

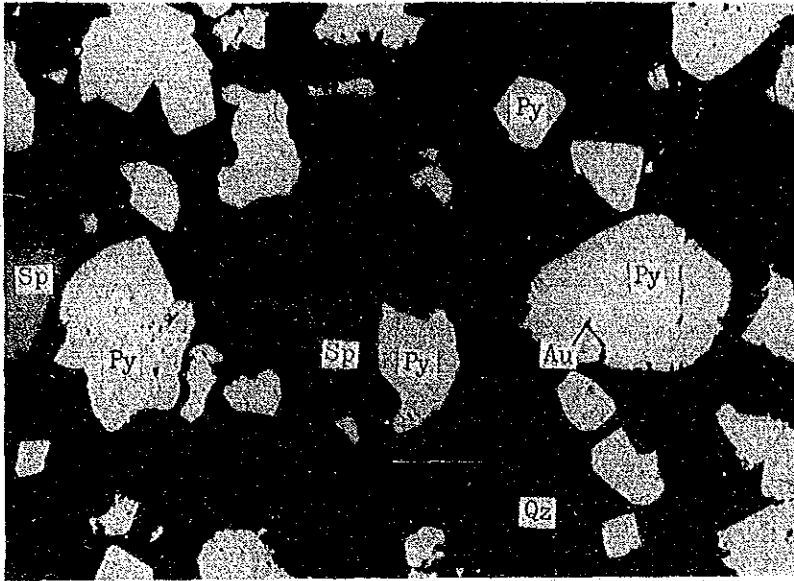
Sp: Sphalerite
Pol: Polybasite
Qz: Quartz

Ore assay



Au	Cu
94 ppb	0.01%

Western Panay and Romblon Area



Sample (BR-16)

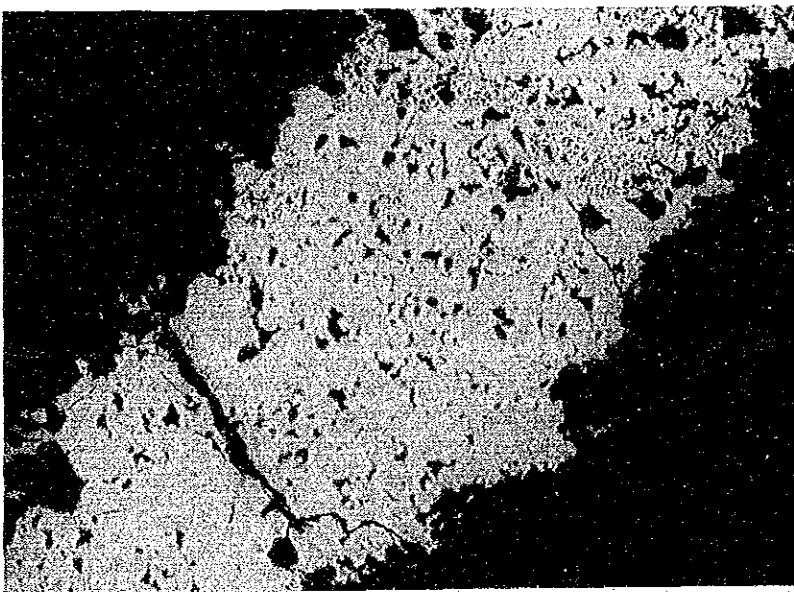
Osman Mineral
Showing 28 km SE of
Kalibo in north-
western Panay Is.

Concentrate of Pyritic
Clay Vein

Electrum are seen in
some Pyrite.

Py: Pyrite
Sp: Sphalerite
Au: Electrum

0 1mm



Sample (ER-18)

Panaktakan Mine 7 km
SE of Caticlan in
north-west most of
Panay Is.

Manganese Ore

Consisting of
Rhodonite,
Rhodochrosite and
Quartz by X-ray
Diffraction.

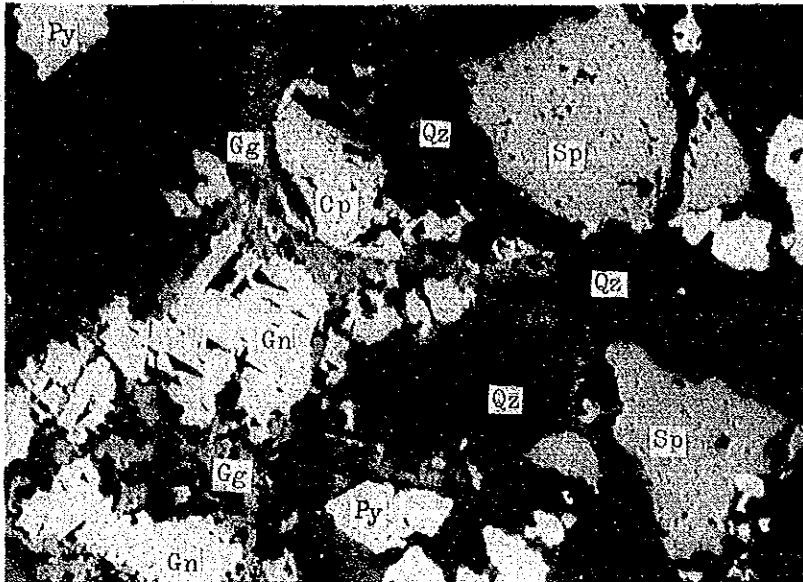
Ore assay

Total Fe	MnO
0.33%	17.2%

P ₂ O ₅	S
0.05%	0.07%

0 1mm

Western Panay and Romblon Area



Sample (JR-27)

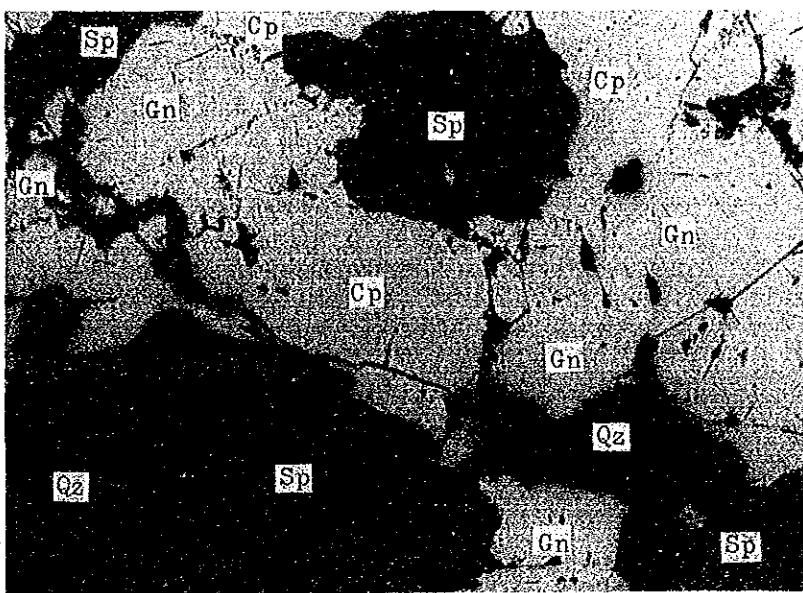
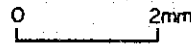
Nailog mineral showing 7.5 km SW of Magdiwan in north coast of Sibuyan Is.

Sphalerite - Galena - Chalcopyrite Ore

- Sp: Sphalerite
- Gn: Galena
- Cp: Chalcopyrite
- Py: Pyrite
- Qz: Quartz
- Gg: Gangue Mineral

Ore assay

Au	Ag	
2.1 gr/T	172 gr/T	
Cu	Pb	Zn
0.93%	3.68%	6.62%



Sample (JR-30)

Nailog mineral showing 7.5 km SW of Magdiwan in north Coast of Sibuyan Is.

Chalcopyrite - Sphalerite - Galena Ore

- Cp: Chalcopyrite
- Sp: Sphalerite
- Gn: Galena
- Py: Pyrite
- Qz: Quartz



Appendix 3 Micro Fossil Correlation Table

SAMPLE,	LITHOFACIES	FORAMNIFERA	RADIOLARIA
AK125R	Olive gray siltstone	Barren	Barren
FR-24	Gray limestone	Barren	Barren
MR03	Gray fine grained sandstone	Barren	Barren
CG39R	White micritic limestone	Barren	Barren
CN010R	Gray siltstone	<u>Hastigerina siphonifera</u>	
		<u>Globigerinoides trolobus immaturus</u>	
		<u>G.</u>	<u>t. trilobus</u>
		<u>G.</u>	<u>t. sacculiferus</u>
		<u>G.</u>	<u>obliquus (s. l.)</u>
		<u>G.</u>	<u>ruber</u>
		<u>Orbulina universa</u>	
		<u>Globorotalia acostaensis ascotaensis</u>	
		<u>G.</u>	<u>humerosa humerosa</u>
		<u>G.</u>	<u>pseudopima</u>
		<u>G.</u>	<u>menardii menardii</u>
		<u>G.</u>	<u>tumida tumida</u>

Age; N. 19, Early Pliocene

CN008R	Pale brown micritic limestone	Barren	Barren
AD202R	Dark gray fine grained sandstone	Barren	Barren
AM011R	Yellowish white micritic limestone	Barren	Rare-Very poor
CL-101R	Yellowish brown siltstone	Barren	Barren
ER-12	Gray limestone	Barren	Barren
AF05AR	Yellowish green sandy siltstone	Barren	Rare-Very poor
CM015R	Gray sandy limestone	Barren	Actinommid gen. et sp. indet.
KR03	Gray coarse grained limestone	Barren	Barren
CR-13	Gray limestone	Barren	Barren
AK202R	Olive gray siltstone	<u>Orbulina universa</u>	
		<u>Globigerina spp.</u>	

Age; N. 9 to Recent

After Prof. M. Okamura Department of Geology
Faculty of Science
Kochi University Japan

AREA SAMPLE NUMBER ABUNDANCE ~ PRESERVATION ETCHING / OVERGROWTH	E A S T P A N A Y			C E B U			
	AF05AR	AK202R	AD202R	CL101R	CN015R	CN008R	CN010R
	A M	C M	C P	D M	F P	C P	D M
	0/1	1/2	1/3	0/2	0/3	0/3	0/2
<i>Calcidiscus leptoporus</i>	F	C	F	C	-	-	F
<i>Calcidiscus macintyreii</i>	F	-	-	-	-	-	F
<i>Coccolithus miopelagicus</i>	-	-	-	-	C	C	-
<i>Coccolithus pelagicus</i>	-	-	-	-	C	C	-
<i>Cyclicargolithus abisectus</i>	-	-	-	-	-	C	-
<i>Cyclicargolithus floridanus</i>	-	f	F	-	D	D	-
<i>Dictyococcites antarcticus</i>	-	F	C	-	-	-	-
<i>Dictyococcites cf. bisectus</i>	-	-	-	-	-	F	-
<i>Dictyococcites productus</i>	C	C	C	C	-	-	-
<i>Discoaster asymmetricus</i>	-	C	-	F	-	-	-
<i>Discoaster berggrenii</i>	f	C	-	R	-	-	R
<i>Discoaster brouweri</i>	c	C	-	R	-	-	F
<i>Discoaster challengerii</i>	-	-	-	R	-	-	-
<i>Discoaster intercalaris</i>	c	C	-	R	-	-	-
<i>Discoaster pentaradiatus</i>	c	-	-	C	-	-	-
<i>Discoaster quinqueramus</i>	f	F	-	F	-	-	F
<i>Discoaster surculus</i>	-	-	-	F	-	-	F
<i>Discoaster triradiatus</i>	-	-	-	F	-	-	-
<i>Discoaster tristellifer</i>	c	-	-	F	-	-	-
<i>Discoaster variabilis</i>	-	F	-	-	-	-	F
<i>Discoaster spp.</i>	-	-	C	-	C	C	F
<i>Emiliania annula</i>	C	-	-	-	-	-	-
<i>Emiliania ovata</i>	C	-	-	-	-	-	-
<i>Florisphaera profunda</i>	A	A	-	C	-	-	C
<i>Gephyrocapsa ericsonii</i>	C	-	-	-	-	-	-
<i>Gephyrocapsa oceanica</i>	A	-	-	-	-	-	-
<i>Gephyrocapsa spp. (small)</i>	A	-	-	-	-	-	-
<i>Helicosphaera carteri</i>	C	C	F	C	-	-	R
<i>Helicosphaera euphratis</i>	-	-	-	-	F	-	-
<i>Helicosphaera hyalina</i>	F	-	-	C	-	-	R
<i>Helicosphaera sellii</i>	-	-	-	-	-	-	R
<i>Neosphaera coccolithomorpha</i>	-	-	-	F	-	-	F
<i>Oolithotus fragilis</i>	-	C	-	C	-	-	-
<i>Pontosphaera japonica</i>	F	C	-	-	-	-	-
<i>Pontosphaera jonesi</i>	-	-	-	F	-	-	-
<i>Pontosphaera spp.</i>	-	-	-	-	C	-	-
<i>Reticulofenestra gelida</i>	c	C	C	-	-	-	-
<i>Reticulofenestra haquii</i>	C	A	A	C	C	C	C
<i>Reticulofenestra minuta</i>	A	A	A	A	-	-	D
<i>Reticulofenestra minutula</i>	C	C	C	A	-	-	C
<i>Reticulofenestra pseudumbilica</i>	f	C	A	C	-	-	C
<i>Reticulofenestra spp.</i>	-	-	-	-	C	A	-
<i>Rhabdosphaera clavigera</i>	-	-	-	C	-	-	R
<i>Sphenolithus abies</i>	c	A	-	A	-	-	A
<i>Sphenolithus compactus</i>	c	C	A	-	C	-	C
<i>Sphenolithus cf. dissimilis</i>	-	-	-	-	-	F	-
<i>Sphenolithus grandis</i>	-	C	-	F	-	-	-
<i>Sphenolithus heteromorphus</i>	c	-	F	-	C	-	-
<i>Sphenolithus moriformis</i>	c	-	A	F	A	C	-
<i>Sphenolithus neobies</i>	f	-	-	C	-	-	C
<i>Sphenolithus verensis</i>	-	C	-	-	-	-	F
<i>Sphenolithus spp.</i>	-	-	A	-	A	C	-
<i>Syracosphaera spp.</i>	-	-	-	F	-	-	-
<i>Thoracosphaera spp.</i>	-	-	-	F	-	-	-
<i>Umbilicosphaera sibogae v. foliosa</i>	C	-	-	C	-	-	C
NANNOZONE (CP-)						17	
(CN-)	14a	9a	4?	9a	3-4	1	9a

Barren Samples Examined: East Panay Area (AM011R, AK125R); West Panay Area (CR13, ER12, FR24, KRO3, MRO3); Cebu Area (CG039R)

EXplanation of Symbols: D= dominant (very abundant); A= abundant; C= common;

F= few; R= rare, small letters indicate reworked occurrences

0= none; 1= slight; 2= moderate; 3= strong; M= moderate; P= poor

After Prof. N. Okada

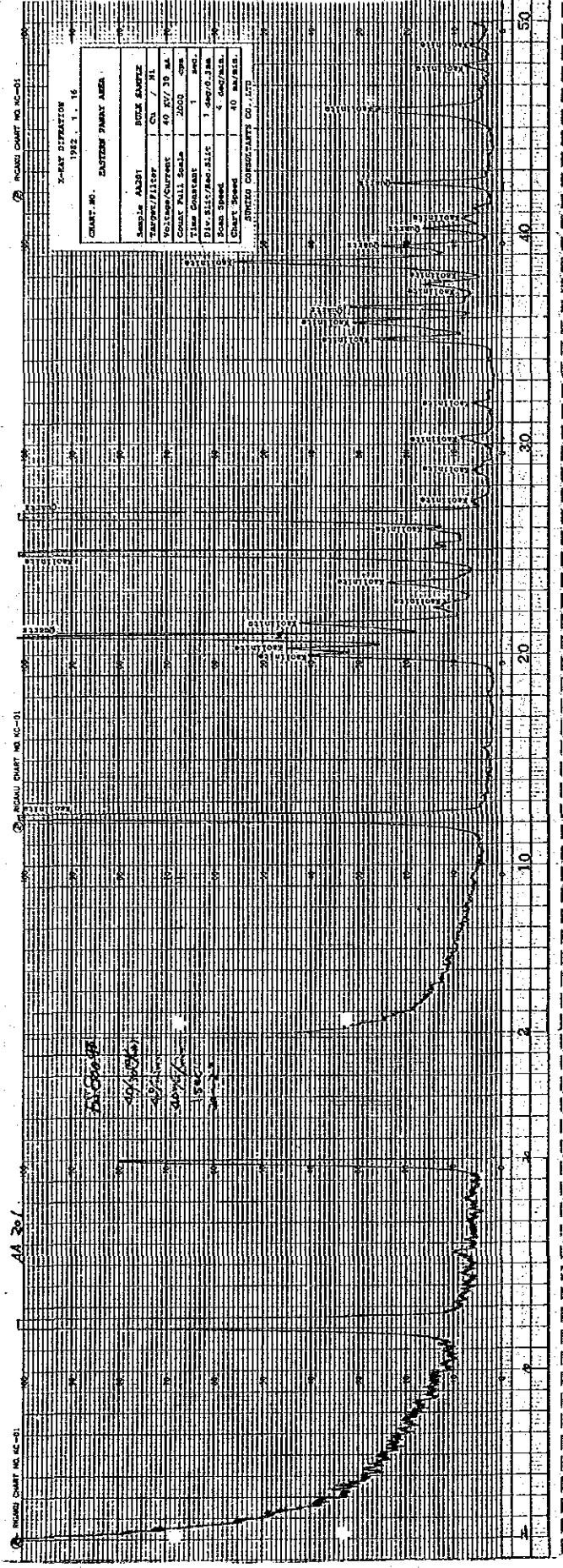
Department of Earth Science
Faculty of Science
Yamagata University Japan

Appendix 4 X-Ray Diffraction Chart

X-Ray Diffraction (Eastern Panay Area)

Sample No.	Quartz	Kaolinite	Sericite	Montmorillonite	Clinoptilolite (Zeolite)	Remarks
AA201	⊙	⊙				
AA202	⊙	●	△	△		Ser/Mont. Mixed layer? Allohane?
AA203	○	○				
AA204	○			△	●?	
AA205		○		●		

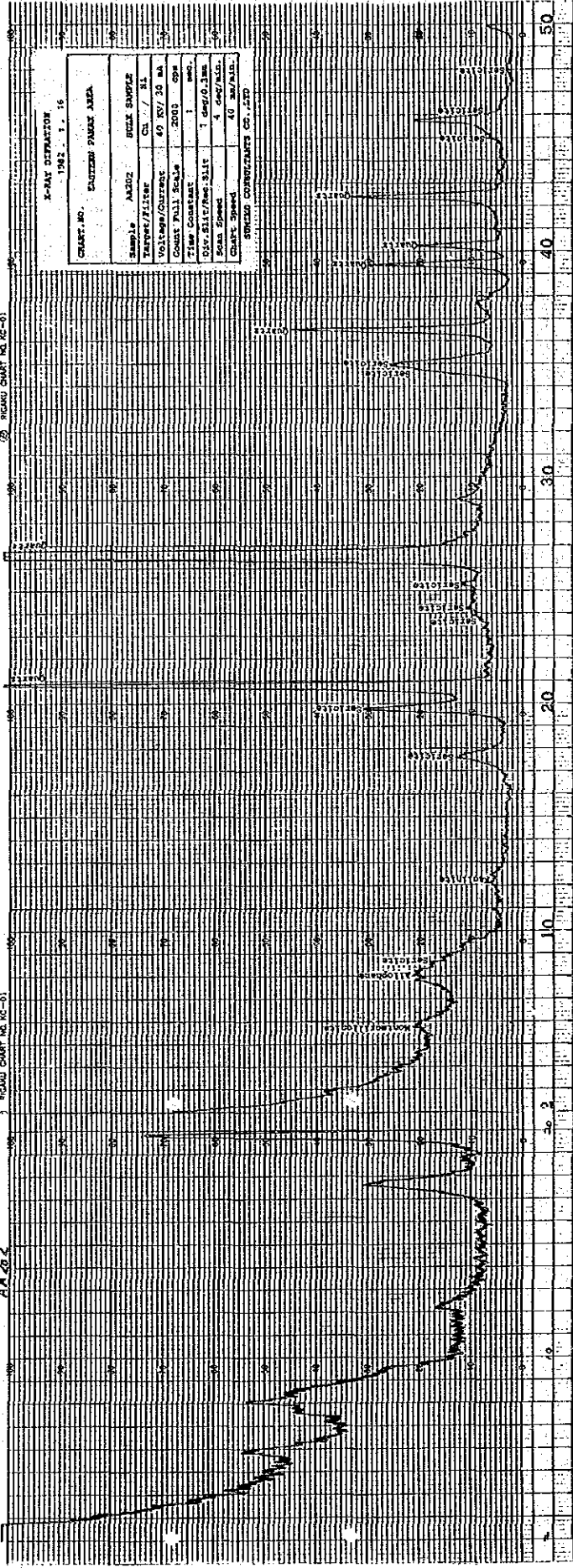
⊙ : Abundant
 ○ : Medium
 △ : Small
 ● : Rare
 ? : Uncertain



RIGAKU CHART NO. KC-01

RIGAKU CHART NO. KC-01

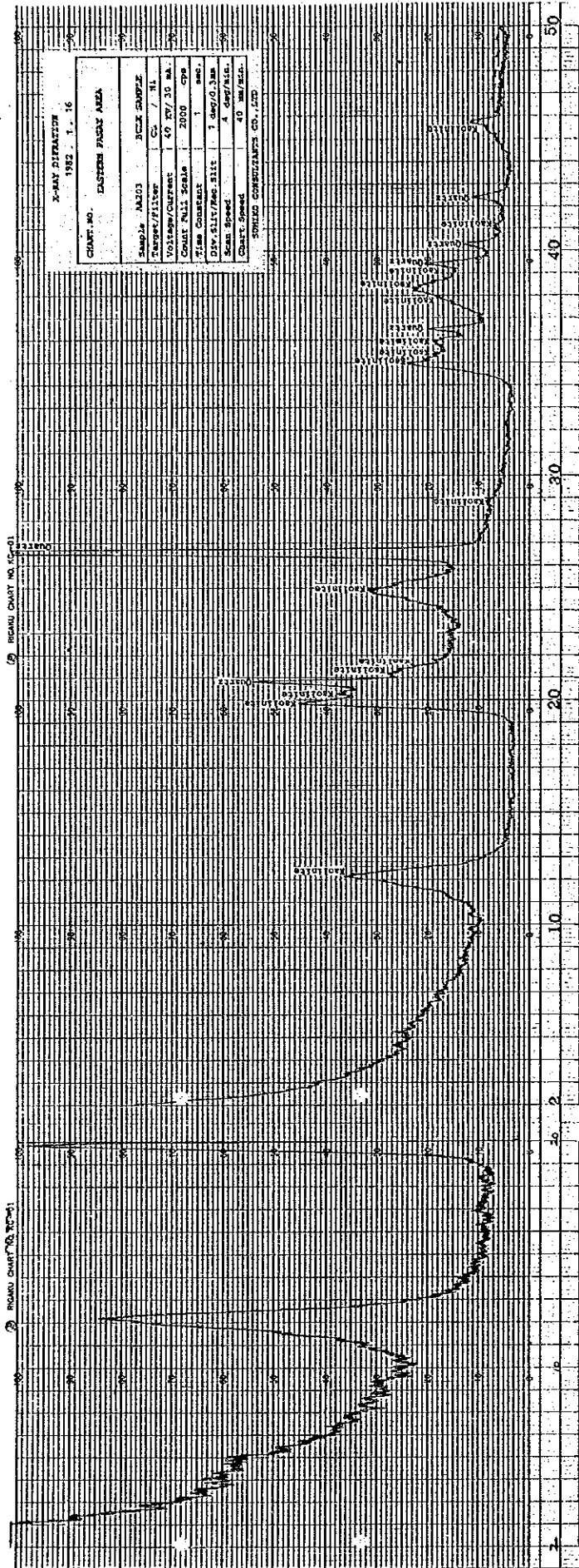
AA 20 Z

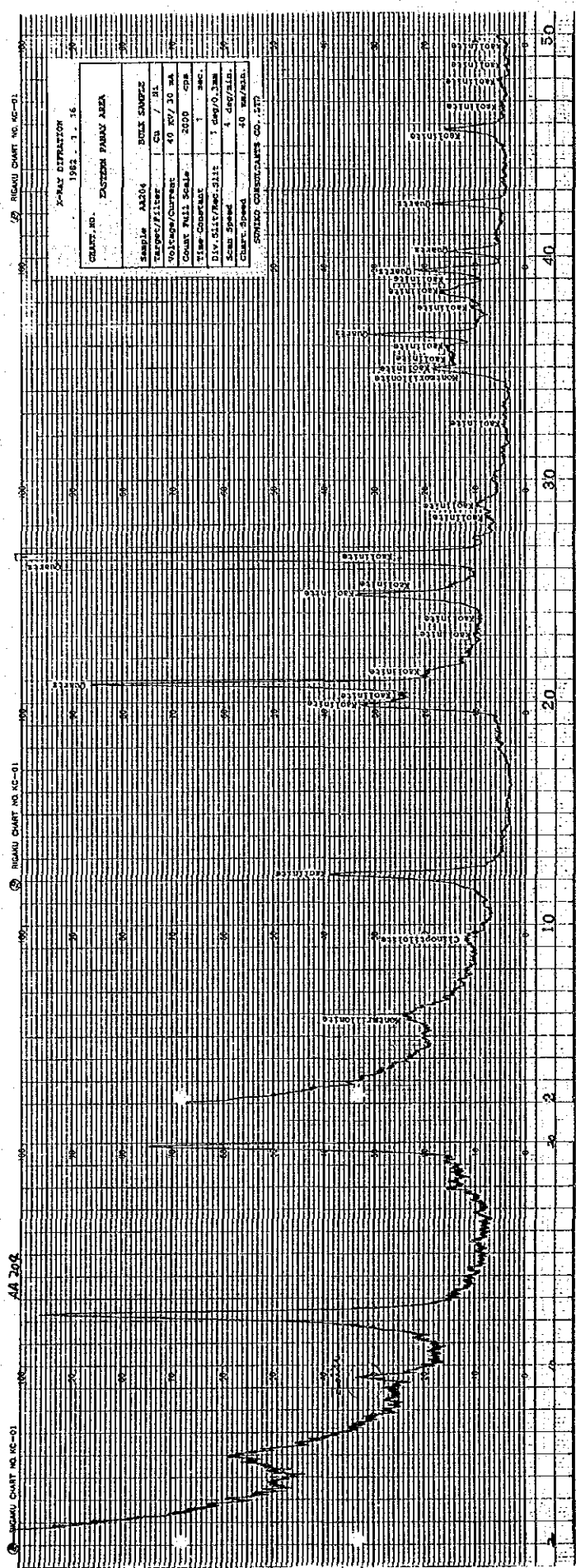


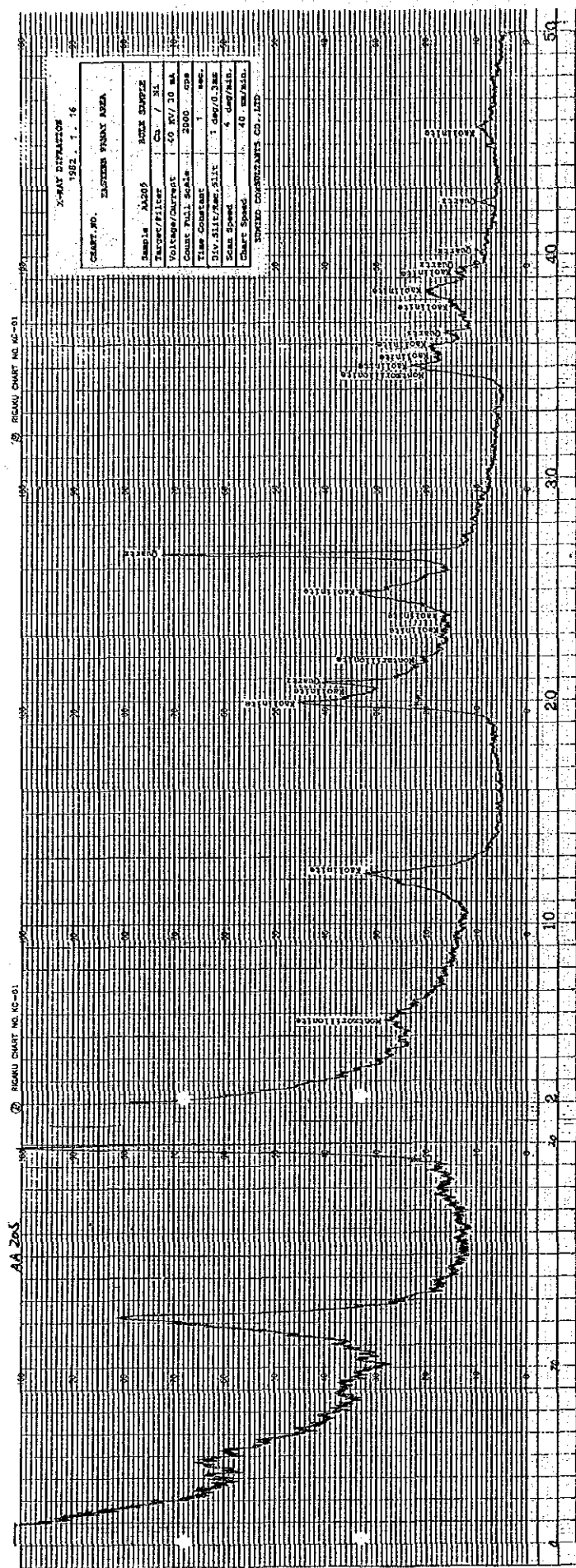
X-RAY SEPARATOR
 DATE: 1. 1. 16
 CHART NO. EUTERIO PINK AREA

Sample	AS202	NUCLE SAMPLE
Target/Filter	Cu / Ni	
Voltage/Current	40 KV/30 mA	
Count Full Scale	2000	CPM
Time Constant	1	sec.
Disc. Slit/Spec. Slit	1 mm/0.3mm	
Scan Speed	4 mm/min.	
Count Scale	40	MB/AIN.

RIGAKU COMPONENTS CO. LTD.
 TOKYO, JAPAN





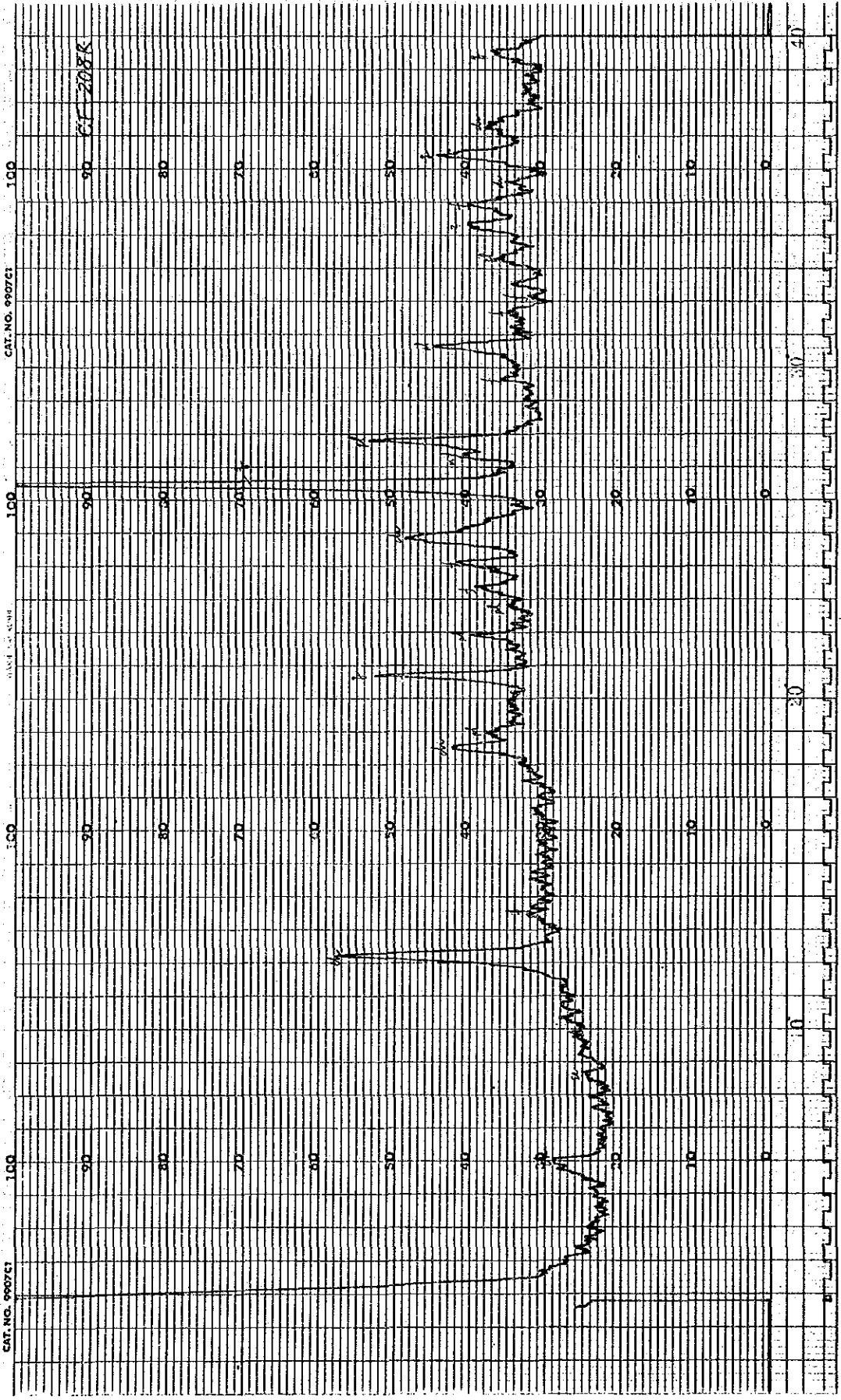


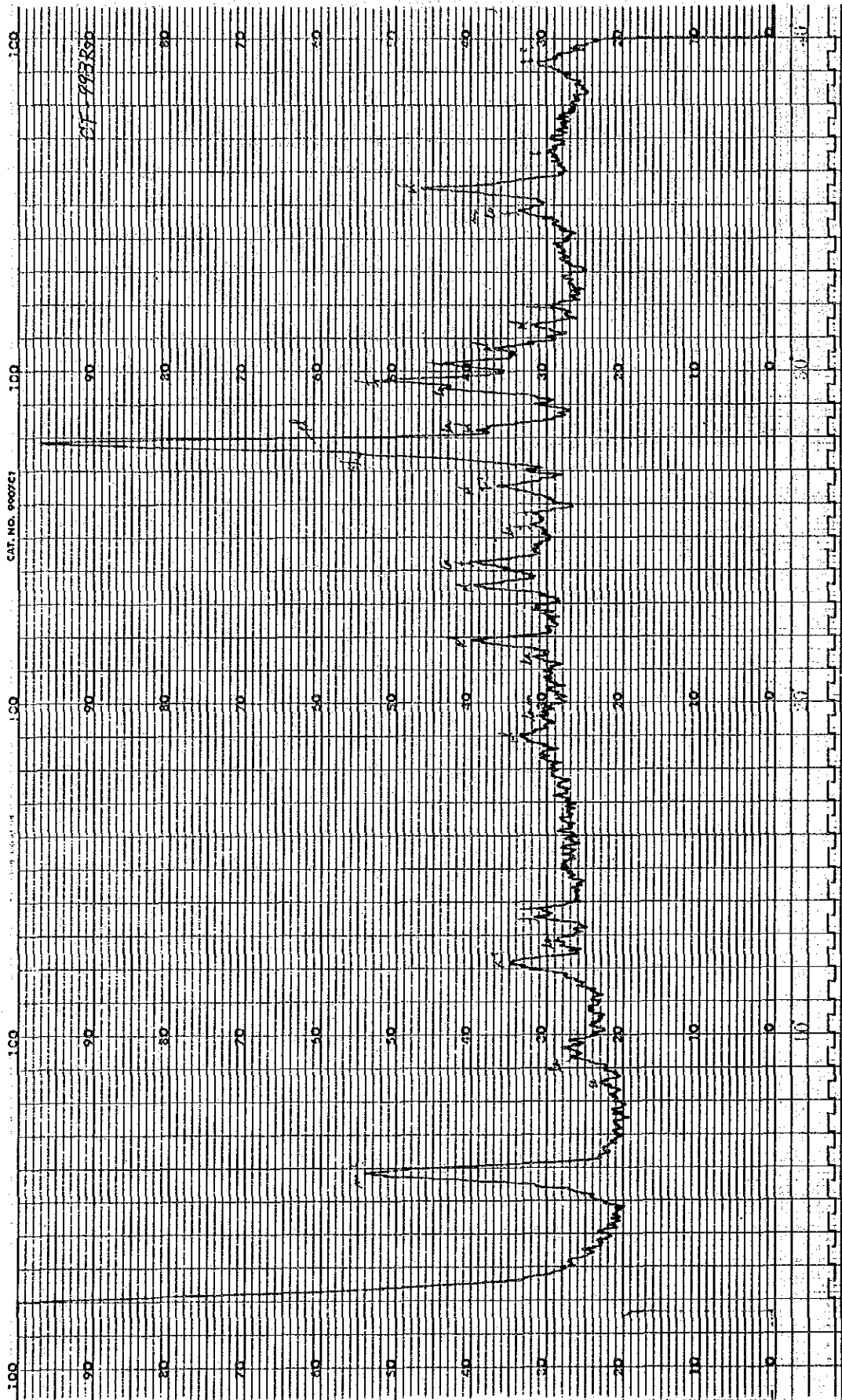
Summarized Table of X-Ray Diffraction Analysis

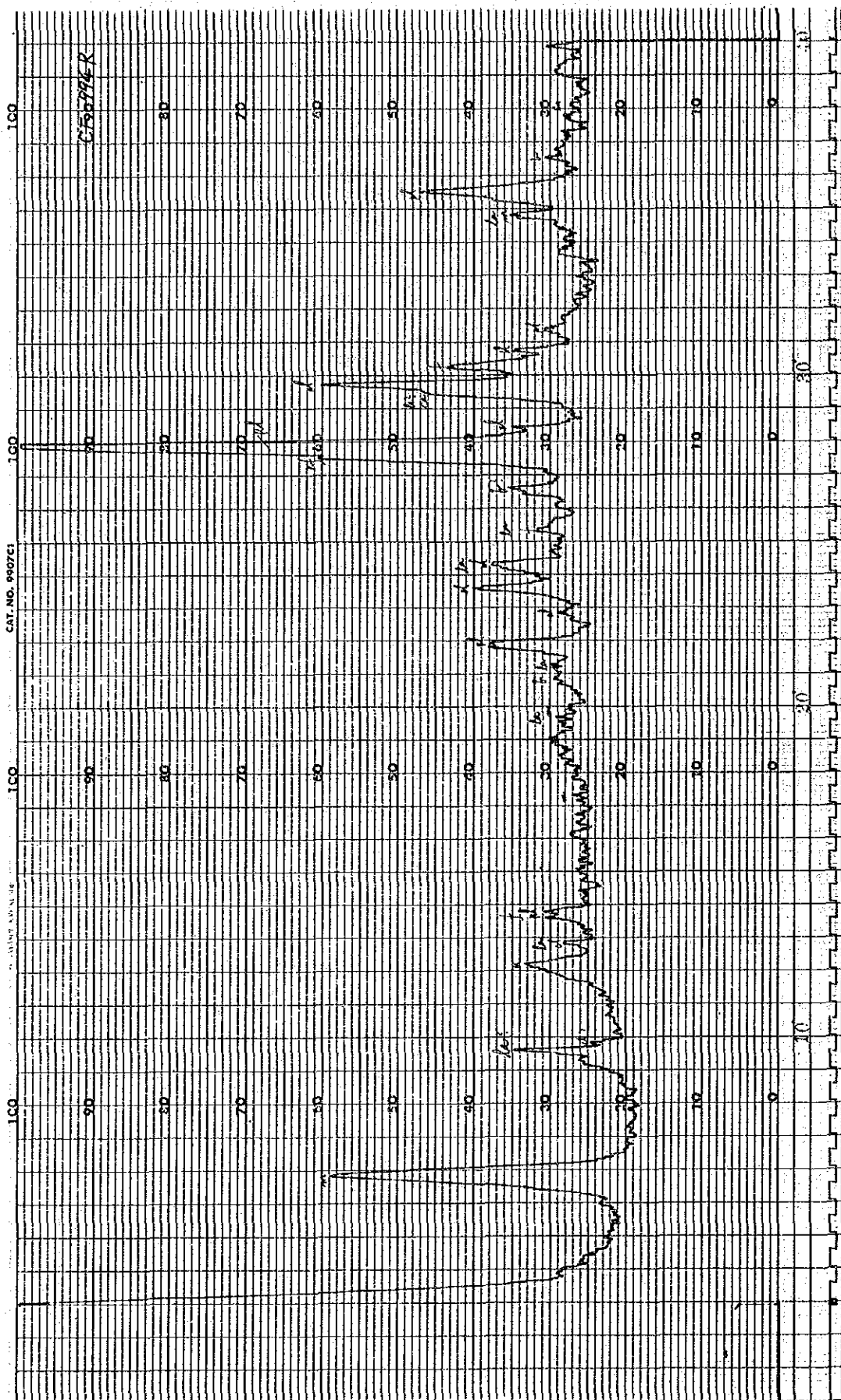
	q	kf	pl	m	ch	se	k	al	gy	ca	la	anh	an	py	Remark
CF-001R	○								○				○		
CF-208R	◎	°	°		○	°									
CF-992R	○				○	°				°		○		◎	
CF-993R		°	○	○			°				°				
CF-994R	°	○	◎	○			°			°	°				
CF-995R	◎	°				°	°	°						°	
CF-005R	◎				○	○								°	

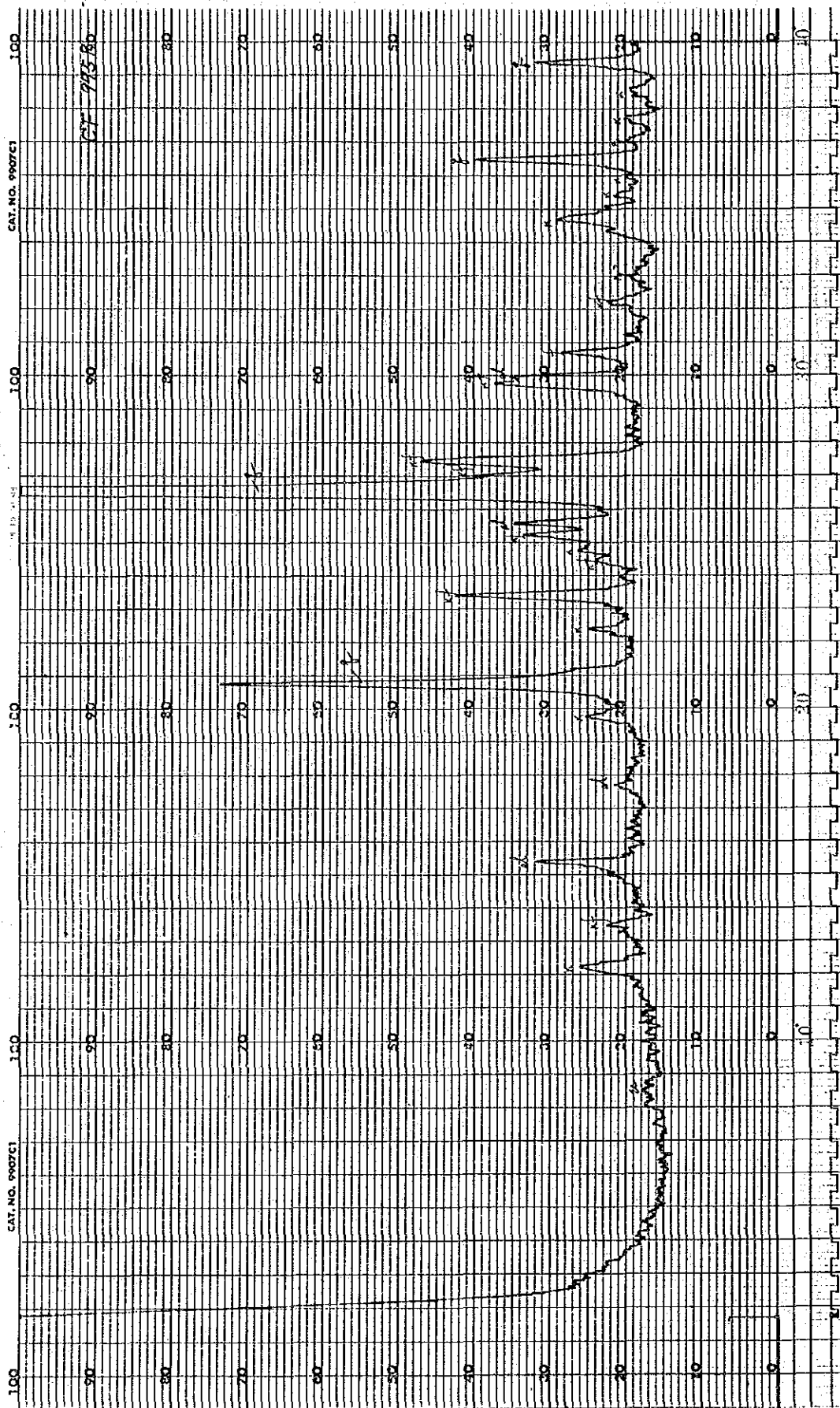
q : Quartz
 kf : K-Feldspar
 pl : Plagioclase
 m : Montmollironite
 ch : Chlorite
 se : Sericite
 k : Kaoline
 al : Alunite
 gy : Gypsum
 Ca : Calcite
 la : Laumontite
 anh: Anhydrite
 an : Andradite
 py : Pyrite

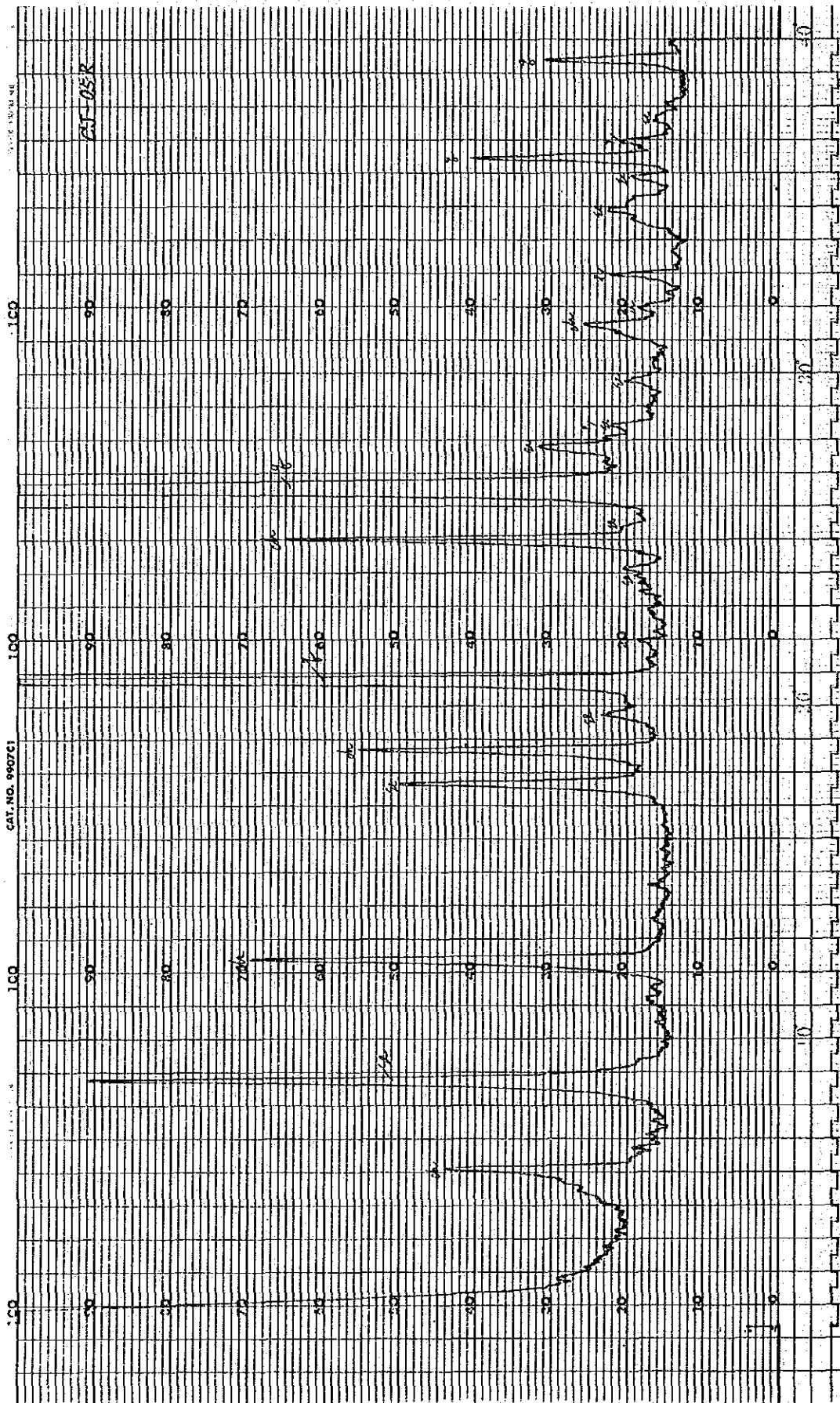
◎ : Abundant
 ○ : Medium
 ° : Small
 ° : Rare







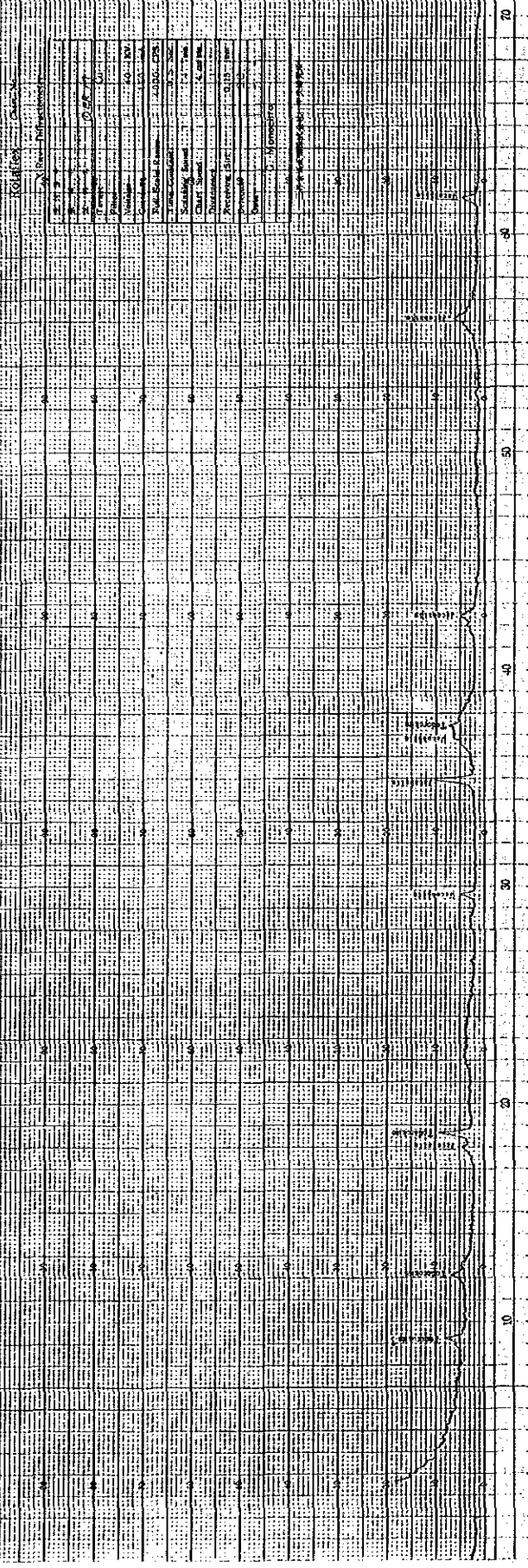




SEISMO CHART NO. 15-01

SEISMO CHART NO. 15-01

SEISMO CHART NO. 15-01



Vertical

Scale	1000
Chart Speed	1000
Duration	1000
Pressure	1000
Temperature	1000
Humidity	1000
Barometric Pressure	1000
Wind Speed	1000
Wind Direction	1000
Wave	1000
Time	1000
Date	1000
Location	1000
Operator	1000
Station	1000
Instrument	1000
Recorder	1000
Amplifier	1000
Filter	1000
Gain	1000
Attenuation	1000
Time Constant	1000
Chart Size	1000
Chart Type	1000
Chart Material	1000
Chart Color	1000
Chart Weight	1000
Chart Thickness	1000
Chart Length	1000
Chart Width	1000
Chart Area	1000
Chart Volume	1000
Chart Mass	1000
Chart Density	1000
Chart Temperature	1000
Chart Humidity	1000
Chart Pressure	1000
Chart Wind Speed	1000
Chart Wind Direction	1000
Chart Wave	1000
Chart Time	1000
Chart Date	1000
Chart Location	1000
Chart Operator	1000
Chart Station	1000
Chart Instrument	1000
Chart Recorder	1000
Chart Amplifier	1000
Chart Filter	1000
Chart Gain	1000
Chart Attenuation	1000
Chart Time Constant	1000
Chart Chart Size	1000
Chart Chart Type	1000
Chart Chart Material	1000
Chart Chart Color	1000
Chart Chart Weight	1000
Chart Chart Thickness	1000
Chart Chart Length	1000
Chart Chart Width	1000
Chart Chart Area	1000
Chart Chart Volume	1000
Chart Chart Mass	1000
Chart Chart Density	1000
Chart Chart Temperature	1000
Chart Chart Humidity	1000
Chart Chart Pressure	1000
Chart Chart Wind Speed	1000
Chart Chart Wind Direction	1000
Chart Chart Wave	1000
Chart Chart Time	1000
Chart Chart Date	1000
Chart Chart Location	1000
Chart Chart Operator	1000
Chart Chart Station	1000
Chart Chart Instrument	1000
Chart Chart Recorder	1000
Chart Chart Amplifier	1000
Chart Chart Filter	1000
Chart Chart Gain	1000
Chart Chart Attenuation	1000
Chart Chart Time Constant	1000

