## INDEX TO VOLUME 53, 1968

## HOW TO USE THE KWIC INDEX

This index is a modification of Key Word In Context-KWIC. The index is in three parts: an author finding list, a $K W I C$ index of titles, and a list of stopwords.

The author list includes authors of all items indexed, with a code letter to identify the type of item, as follows:

| A | Article |
| ---: | :--- |
| B | Book Review (author of book) |
| C | Abstract |
| M | New Mineral Names (author of paper abstracted) |
| N | Mineralogical Note |
| P | Proceedings |

This code is the first letter of a six- or seven-character alphanumeric reference. The next two numbers are the volume, 53 in all of this index, and the following four numbers are the page number in this volume. If more than one item appears on a page, they are distinguished by a final letter. For example,

ARAKI T A521272
means that T. Araki is one of the authors of an article (A) in volume 52, beginning on page 1272 .

In the title index the same form of reference is used, on the right margin. Every word that might be important in some title, is indexed along the left margin for all titles. Certain common "stop words" are not indexed for any title and are listed at the end. For New Mineral Names, only the name of the mineral is listed. As a major aid in distinguishing among various titles that are indexed under the same word, as much as possible of the context is listed on the same line. Thus part of the title follows along after the index word, and near the end of the line, some of the preceding context is printed. Depending on the length of the title and the position in it of the particular index word, the beginning or end of the title may appear, indicated by the signal*. Alternatively, if the title is longer in either direction than there was room to print, this is indicated by the signal + . If the title is longer in both directions (from the indexed word) than there is room to print, the two parts of the context are separated by the signal//.

For example, in the entry
AIKINITE* +STRUCTURES DERIVED FROM THE STRUCTURES OF N521874
aikinite, the indexed term, is the last word of a title. The preceding context, at the end of the line, gives the partial title, ". . Structures derived from the structures of aikinite.", which is a Mineralogical Note (N) appearing in volume 52 on page 1874.

To use the title index, pick a word that is important: the more unusual the word the less ambiguity in look-up. Find the index word along the left margin of the KWIC index. If it is listed more than once, use the context to identify the item wanted. The reference alphanumeric helps to identify the article, by its first code letter for the type of item, and gives the page reference as explained above.

The editor welcomes suggestions for improving the index in future years.

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A531579
N5 36346 A530123 A53156日 A531232 P530548 P530531 A530241 A530C38 A53C088 A531232 A530733 A531558 N530319 A53132 A531336 A531918 A531543 A530162 A530929 A530283 N531059 N531057 A531223 A530001 A53C:134 N532102 A530373 A531264 A530751 8531782 A530184 M5317776 M531777B N532101 A530943 A531276 A531918 A532036 B531783A

ANALYSIS CF FOSSIL BONE ** COMPOSITIONAL, INFRARED AND X-RAY analysis of vanadium in the presence oftelectron microprobe ANALYSIS.* + MATERIALS FDR THIN - SECIION AND MICROPROBE ANATASE, RRCOKITE, RUTILE ANO TIOZ TEMPERATURE STUDIES OF ANDESITE.* DISIRIBUTION DF ELEMENTS IN A SPHERULITIC ANDRADITE AND MELANOTEKITE;* OF AEGIRINE, SPODUMENE, ANGLE DETERMINED CONOSCOPICALLY ON THE SPINDLE STAGE. HOPIIC ANGLE DETERMINED CONOSCOPICALLY ON THE SPINOLE STAGE. +OPTIC ANISOTROPY IN MINERALS.* + ON INDENTATION MICRO HARDNESS anNual meeting of the mineralogical of the forty-eighth ANORTHOCLASE.* ON THE STAINING OF antImonates, hydroxides.*+ titanates, niobales, rantalates, ANTIMONIAN GRDUIITE. A CCRRECTION.*
ANTIMRNY CXYCHLOR IDE.*
UNNAMED
ANTIMDNY SILICATE.* $A$ ARSENATE, UNNAMED CALCIUM - MAGNESIUM ANTIPERTHITES FROM SOME CHARNOCKITIC ROCKS IN+THE ORIGIN OF APATITE - WHITLOCKITE. A CORRECTION.* MORINITE APATITE. I. POTASSIUM - BEARING APAIITE.* SUBSTITUTIONS IN APATITE. II. LOW TEMPERATURE FLUORIDE - + SUBSTITUTIONS IN APATITE.* SUBSTITUTIONS IN APATITE. I. POTASSIUM - BEARING APATITE.*+ APATITE. II. LOW TEMPERATURE FLUORIDE - HYDROXYL
APATITES AND OXYAPAIITES.*
silicate
APPLIED ORE MICROSCDPY.*
approach to indexing powder patterns of lower +a systematic aquegus sclubility stuoles of high - alumina ano clay mine AQUEOUS SCLUTION.*+A FUNCTION OF CARBON DIOXIDE PRESSURE IN ARAGONITE TO CALCITE UNDER HYDROTHERMAL + TRANSFORMATION OF AREAS, MAINE.* + AFTER STAUROLITE IN THE RANGELY - OQUOSSOC ARGENTINA.* + A NEW MINERAL FRCM JUJUY, ARGENTINA.* BERMANITE AND ITS OCCURRENCE IN CURDOGA, argentina, and the graftonite - a new mineral from ARGILEUX.* LA CLASSIFICATIUN DES MINERAUX ARIZUNA.* WICKENBURGITE, A NEW MINERAL FROM ARSENATE GARNETI.* + BERZELIITE (CANAMN2AS3OI2) SERIES I arsenate minerals. II. the crystal //of the basic manganese ARSENATE.*

UNNAMED YTTRIUM arsenate, unnamen calcium - magnesium - + unnameo manganese arsenates. I. the crystal structure of the basic manganese ARSENIOPLEITE, AKROCHORDITE**+ SYNADELPHITE, ARSENOCLASITE, arsenoclasite, arseniopleite, akroch

SYNADELPHITE, artrur hclmes.*
ARTHUR LINDG PAITERSON.*
ARTHUR RUSSELL.*
ASBESTOS.* FIBKOUS SILICATES - NATURAL AND SYNTHETIC ASH BEDS IN THE WESTERN UNITED STA // IN UPPER CENOZOIC ASHLEY SCHMITT.* MEMORIAL OF HARRISON ASO4).* + I. THE CRYSTAL STRUCTURE OF EVEITE, MN2(OH) ASC4)3CL).* + OF PU4/3 - FOR ASO4/3 - INMIMETITE (PBSI ASO4/3 - IN MIMETITE (P85(ASO4)3CL). OF PO4/3 - FOR assemblages in the copper - lead - // relations and mineral ASSCCIATICN, 4 TH GENERAL MEETING, MINERALOGICAL ASTERISM IN STAR CORLNDUM.*
AS2C5.18h20. A NEh MINERAL FROM ATLANTIC DEEP SEA SEDIMENTS.* ATCMIC ABSURPTICN SPECTROSCOPY.* AUGELITE.* augen gneiss.*+ in the modal analysis of a coarse - grainec AURICUPRICE.*
AUSTRALIA.* + FROM THE GROKEN HILL LUDE, NEW SOUTH WALES, AUSTRALIA.* + THE COOLAC SERPENTINE BELT, NEW SOUTH WALES, AUTHIGENIC ALBITE FROM RHODES.*
AWARD FOR 1967 TO ALFRED E RINGWOOD. SOCIETY OF AMERICA AWARD FOR 1967.* + OF THE MINERALOGICAL SOCIETY OF AMERICA AXINITES.* NOMENCLATURE AND CRYSTAL - CHEMISTRY OF
back crounc methed for the determination of total + an x-ray

A530445 N53177: N530339 A531929 A532025 A531276 A530278 A536269 A531899 P530623 N530331 8530513 N531417 M530351C M531426B A531696 N531060 A530432 A531953 A534,432 A531953 A530890 8530352 A A532047 A530゙929 A531252 N530295 A531368 A531815 A530416 Á531799 B530353A A531433 N5 30316 A53C733 M530349A M531426B A531841 M5317798 M531779B P53C560 P530576 P530596 8531070 A531558 P530601 A531841 N531740 N531740 A530145 B531785 N530304 A531815 A530.975 A534283 'A531C96 A532036 M530350A A531614 4530162 4531579 P53C531 P530533 N5314C 7 N531:54

BANCING. LACK OF CORRELATION WITH IRON + SPHALERITE COLOR bac - alzc - Sioz. I. the polymurph studies in the system BARITE - CELESTITE SERIES.* OF COMPOSITIONS IN THE BASAL REEF, WITWATERSKAND SYSTEM.*+ALTERED BOROERS FROM THE BASALT FLCW.*+KELATIONSHIPS OF PLAGI OCLASE IN A PORPHYRITIC BASALTS, IKI ISLAND, JAPAN.*+AND BASIC INCLUSIONS IN ALKALI BASALUMINITE IN CABANISS FORMATION HYDRDBASALUMINITE AND basic Inclusions in alkali basalts, of ultrabasic and basic manganese arsenate minerals. chemistry of the BASIC MANGANESE ARSENATES. I. THE CHEMISTRY OF THE BASIC SULFATE - PhoSphate of aluminu
baSIS OF The OLIVINE - SPINEL STABILITY.*
a NEH HYDRATED WESTERN UNITED STATES.* E IN UPPER CENOZIOIC ASH BEMAVIOR CF SIO2 - X AND ITS RELATIUN TO THE NATURATTHERMAL BELT, NEH SGUTH WALES, AUSTRALIA.* THE CCOLAC SERPENTINE BENJAMINITE.*
BENZONITRILE CGH5-CN - MONTMORILLCNITE + INFRARED STUDY OF BERAUNITE FROM FLORIDA.*

CACOXENITE AND BERBORITE.*
BERGAMASCHITE.*
BERGAMASKITE.*
EERKELEY, CALIFGRNIA.*+FOURTEENTH NATIONAL CLAY CONFERENCE, BERMANITE AND ITS OCCURRENCE IN CORDUBA, ARGENTINA.* BERYL AND EMERALD BY VISIBLE AND THE CHARACTERIZATION OF BERYL FRCN UTAH.*
BERYL. A CORRECTICN.* 8ERYL. ERRATA.* SYNTHESIS DF AR INFRAKED SPECTRUM CF BERYL.* SYNTHESIS OF THE SCANDIUM ANALOGUE OF BERZELIITE CAZNAMGZAS3OIZ - MANGANESE + SYNTHESIS OF THE BERZELIITE (CANAMN2AS30I2) SERIES - MANGANESE beUsite series.* + from argentina, and the graftonite beUsite, a new mineral from argentina, and the graftonite + BIKITAITE FRUM KING'S MOUNTAIN, NORTH CAROLI EUCRYPTITE AND BILLINGSLEYITE, A NEW SILVER SULFOSALT.* BISMUTH TELLURIDE**

UNNAMED LEAC -
blue mountain litchfieldite, peter //
BODY FROM THE
booy from the blue mountain litchr //f a zoned replacement BOHCANOWICZITE.*
BCAE.*+CCMPOSITIONAL, INFRAREO AND X-RAY ANALYSIS OF FOSSIL BORATE MINERAL FRCM THE PARADOX, CALCIUM RARE-EARIT EORDERS FROM THE BASAL REEF, WITWA // RAINS SHOWING ALTERED bornstein, new series, group 3. chystal anu solic tlandbelt boundaries in simple phase diagrams by + on locating field BRAITSCHIIE, A NEW HYDROLS CALCIUM RARE-EARTH BORATE MINER + BRECCIA MEMBER OF THE DEBORAH VOLC //

IN THE MINERAL BRIANITE.*
bRIARTITE, RENIERITE, GERMANITE, KESTERITE, IDAITE, bROKEN HILL LODE, NEW SGUTH NALES, AUSTRAL+INESITE FROM THE bremide mixtures by montmorillanites of n - alkyl alcohcl BROOKITE, RUTILE AND TIOZ - II.* STUDIES OF ANATASE, building materials - a symposium.* of soils, clays, and BUSHVELD CCMPLEX, SGUTH AFRICA.*+ LOWER PART OF THE EASTERN BUITCENBACH.* MEMORIAL OF HENRI by-laws of the mimeralogical society of + constitution and bytcwnite from cape parry, east green and.*
C AT 3 KILOBARS.** PRESSURE VESSELS TO OPERATE TO 1100 DEG. CABANISS fORMATIDN (MIDOLE PENNSYL // ANO BASALUMINITE IN CACOXENITE AND BERAUNITE fROM FLORIDA.*
CAFE(CO3)2 - CAMN(CO3)2.* + THE DOLOMITE JOIN, CAMG(CO3)2 CALCITE CLRING GRINDING.* TRANSFDRMATION OF VAJERITE TO CALCITE UADER HYOROTHERMAL CONOITI // OF ARAGONITE TC CALCITE.* + PRESSURE DEPENDENCE OF THE INFRARED ABSDRPTION OF CALCIUM - MAGNESIUM - ANTIMGNY SIL // ARSENATE, UNNAMED Calcium rare-Earth borate mineral
CALCIUM SILICATES, GAGEITE ANO HAR // ARSENATE, UNNAMED A NEW HYDRDUS

A531523
A530134
A531215
A531543
A530908
A530241
A530722
A530241
A530733
A531841
A5300C1
A531439
A531558
N531C62
A530162
M53035CB
A531244
N532096
M530348B
M5321678 M531066B B530353B A530416 A530777 A53C8C 1 N5 30347 N532141 A53C943 N530316 N530316 A531799 A531799 A5312C2 A531791 M531421A N53104日 N531048 M5321C4A A530445 A5 31081 A531543 B5314.68 A53C359 A531081 A531364 M5305c8B M532166B A531614 A531232 A531929 85310698 A5 30116 P530536 P530643 N531759 N531765 A530722 N532096 A533880 N532689 N53C295 A531910 M531426B A531081 N53C3CS

CALCIUM SIlICATES, GAGEITE ANO HAR // OF THE MANGANESE CALCIUM ZINC SILICATES.* SYNTHESIS OF SOME LEAD CALCULATEC POWDER PATTERNS FOR FIVE PLAGIOCLASES.*
CALCULATIGNS BASED CN ION - EXCHAN // SDLUTIONS. I.
CALCULATICNS BASED ON VULUME DATA.* STALLINE SOLUTIONS. II.
CALIFORNIA.* MAGADIITE FROM TRINITY COUNTY,
CALIFCRNIA** $\quad$ FRUM THE WESTEKN SANTA MONICA MCUNIAINS CALIFORNIA** + FGRMED IN THE SALTUN SEA GEOTHERMAL SYSTEM, CALIFORNIA.*+FOLRTEENTH NATIONAL CLAY CONFERENCE, BERKELEY, CAMC(CO3) CAMNICO3) Z.* + THE DOLOMITE JOIN. CAMG(CO3)2 - CAFE(CO3)2 CANADA.* + [RON CONTENT, PINE PCINT, NORTHWEST TERRITORIES, CANAMNZAS3O12) SERIES (ARSENATE //MANGANESE BERZELIITE ( CAPE PARRY, EAST GREENL AND.*
CAREON DICXIDE PRESSURE IN AQUEOUS
CAREQNATE HYDROXIDE TETRAHYDRATE.
BYTOWNITE FROM
AS A FUNCTION OF
CARRONATE HYDROXIDE TETRAHYORATE.
MAGNESIUM ALUMINUM MAGNESIUM ALUMINUM CARECNATE * + REACTION PROCESSES BETWEEN KAOLINITE AND SODIUM CARCLINA.* + AND BIKITAITE FROM KING'S MOUNTAIN, NORTH CATION DISTRIBUTIUN IN THE CUMMINGTONITE - OETERMIAATION OF CATION DISTRIBUTICN OF GLAUCOPHANE *E CRYSTAL STRUCTURE AND CATIONS EY LAYER - SILICATE MINERA // OF DIVALENT ORGANIC CATIONS IA THE CRCCIDOLITE STRUCTURE** DISTRIBUTION OF IRON CAVANSITE.*
CAZNAMG2AS3C12 - MANGANESE BERZELII OF THE BERLELIITE CEBCLLITE**
CELESTITE SERIES.* $\quad+$ OF COMPCSITIONS IN THE BARITE CELL PARAMETERS AND 2V.* + STATE FRGM REFINED UNIT CELL PARAMETERS OF THE MICROCLINE - LOW ALBITE AND + UNIT CELSIAN.* + SYSTEM BAC - AL 2O3 - SIOZ. I. THE POLYMORPHISM OF CENOZOIC ASH BEDS IN THE WESTERN AND ALLANITE IN UPPER CERRO DE PASCO, PERU.* COPPEK ZONING IN PYRITE FROM CHALCOTHALLITE.*
CHANGED LICUID ANO IMPROVED CRYSTA // STAGE WITH EASILY CHARACTER IZATION OF BERYL AND EMERALO BY VISIBLE AND + THE CHARACTERILATION OF HEXAGONAL GERMANIUM + FLUX GROHTH AND CHARACTERIIATION CF OMPHACITES\&* CRYSTAL - CHEMICAL CHARGE ON THE COMPETITIVE AOSQRPTI //E EFFECT OF ADSUREENT CHARLES YCN SCHLICHTEN. * MEMORIAL OF OTTO CHARNOCKI IES, VARBERG SHEDEN. * OF PHASE EQUILIBRIA IN CHARNOCKITIC ROCKS IN THE NEW JERS // TIPERTHITES FROM SOME CHEHICAL CHARACTERIZATION OF OMPHACITES.*

CRYSTAL -

CHEMICAL CIFFERENCES AMONG THE SERPENTINE PRLYMORPHS**
CHEMICAL FORMULA.* JOHACHIDOLITE. A REVISED
CHEMICAL MECHANICS OF SOILS, CLAYS, AND BUILDINGHPHYSICAL -
CHEWICAL STUDY OF PHASE EQUILIBRIA IN CHARNOCKITES, VARBER + CHEMISTRY OF AXINITES. 末 NOMENCLATURE AND CRYSTAL CHEMISTRY OF THE BASIC MANGANESE ARSENATE MINERALS•HCRYSTAL CHEFISTRY OF THE BASIC MANGANESE ARSENATES. I. THE +GRYSTAL CHERNOYITE.*
CHEYKINITE, AND ALLANITE IN UPPER CENOZOIC ASH +PERRIERITE, CHILE.* - POTASSIUM CRYPTOMELANE FROM TARAPACA PROVINCE, CHLOR - HASTINGSITE.*
CHLCRAPATITE.*
UNNAMED MONOCLINIC
CHLQRITES.* + FOR DIFFERENTIATION DF KAOLIN MINERALS FROM CHLERITOIC AND VIVIANITE. FERROUS -/ITOURMALINE, CORDIERITE,

## CHLOROPHOENICITE.*

THE CRYSTAL STRUCTURE OF
CHONDRITES.* FROM THE KOTA - KOIA AND ST. MARK'S ENSTATITE CHRCMDISTHENE.*
CHRCME ORES FROK THE COOLAC SERPENTINE BEIT. NEW + ALTERED CHROMITE GRAINS SHOWING ALTEREO BORDERS FROM THE BASAL + CHRCMIUM GARNET END MEMBERS, KNURRIMGITE. FROM KIMBER +A NEH CLASSICAL MINERAL OCCURRENCES. I. GEOLDGY AND MINERALDGY + CLASSIFICATION DES MINERAUX ARGILEUX.* LA

N531418 A530231 A53176 A531965 A5320CL A532062 A530954 A531635 B5303538 A530880 A534880 A531523 N530316 N5 31759 A531252 N531059 N531う57 A530917 A531202 N5305C6 A531156 A53C.478 A530770 M530510B N530316 H531427B 4531215 A530038 N53C346 A53L134 A531558 N531748 M531775B A531399 A530777 A531394 A530840 A530478 P530599 A531674 A531696 A5 3084G N531025 A530201 N532~82 B5310698 4531674 N5 314 C 7 4530733 A531841 M531777A A531558 A531551 M531778A M531425C N530334 A531174 A531110 N530491 M530349C 4530162 $\$ 531543$ $\uparrow 531833$
A530373
B530353A

CLAY - ORGANIC STUOIES XIVI.*
BY MONTMORILLCNITES (
CLAY CONFERENCE, EERKELEY, CALIFOR //E FOURTEENIH NATI ONAL GLAY MINERALS BY SMALL-ANGLE X-RAY SCATTERING•+THE STUDY OF CLAY MINERALS.* + SOLUBILITY STUDIES OF HIGH - ALUMINA AND CLAY MINERALS, PROCEEDINGS OF THE FQURTEENTH NATI+CLAYS AND CLAY.* ELECTRON UIFFRACTION ANALYSIS OF CLAY.* + DATA ON A FRACTIUNATED REGULARLY INTERSTRATIFIED CLAYS AND CLAY MINERALS P PROCEEDINGS OF THE FOURTEENTH + CLAYS, ANC BUILDING MATERIALS - A // MECHANICS OF SOILS, CLEAVELANCITE, AND THE SIGNS OF ITS OPTIC + ALBITE, VARIETY CL INOPYRCXENE IN ROCKS CF VARYING

COEXISTING GARNET AND CLINOZOISITE.*+ COMPARISON OF THE STRUCTURES OF ZOISITE ANO COARSE - GRAINEC AUGEN GNEISS.* + IN THE MODAL ANALYSIS OF A COBALTIFEROUS PYRITE SERIES.*

IHE
CCEXISTING GARNET AND CLINOPYROXEN // AND MAGNESIUM BETWEEN COEXISTING MINERALS AND THE NATURE /// OF ELEMENTS BETHEEN COLC SEAL PRESSURE VESSELS TO OPERATE TO 1100 DEG $\rightarrow$ IMPROVED COLLECTICMS AND METEORITE RESEARCH.* DIRECTCRY OF METEORITE COLCMBIA, SOUFH AMERICA。*t ROCK FROM THE GUAJIRA PENINSULA, COLCR BANCING. LACK OF CORRELATION WITH IRON + SPHALERITE COLCRADO AND NEW MEXICO.* + HARDNESS DF FERROSELITE FROM COLUSITE, LUZGNITE, STIBICLUZONITE, RENIERITE, GERMANITE, COMMENTS ON SERPENTINIZATION AND RELATED METASOMATISM.* CCMMITTEES GF THE MINERALOGICAL SOCIETY OF + OFFICERS AND COMPARISCN OF THE STRUCTURES OF ZOISITE AND +REFINEMENT AND COMPETITIVE AUSORPTION OF DIVALENT // SORBENT CHARGE ON THE COMPLEX OXIOES, IITANATES, NIOBATE // TOM II. VYP 3. COMPLEX: SOUTH AFRICA. + + LOWER PART GF THE EASTERN BUSHVELD COMPLEXES.* + OF BENZONITRILE C6H5-CN - MONTMORILLONITE COMPONENTS OF VARIANCE IN THE MODAL ANALYSIS +PRECISION AND COMPOSITICN AND STRUCTURAL STATE FOR DETERMINING THE COMPOSITICN AND STRUCTURAL STATE I. DETERMINATION OF COMPOSITICN AND STRUCTURAL STATE OF PLAGIOCLASES FROM THE + COMPOSITICN IN TUFFS OF THE GREEN RIVER FORMATION +ANALCIME COMPOSITICN QF VAUXITE.*+CRYSTAL STRUCTURE AND THE CHEMICAL COMPOSITICNAL, INFRARED ANO X-RAY ANALYSIS OF FOSSIL BONE. + COMPOSITICNS IN THE BARITE - CELESTI

DISTRIBUTION OF COMPCUNDS.* CRYSTALLOGRAPHIC PROPERTIES OF FERTILIZER CONDITIONS.* + CF ARAGONITE TO CALCITE UNDER HYDROTHERMAL CONDITIONS.* + AND GENESIS DF SEPIOLITE AT EARTH - SURFACE CONFERENCE, BERKELEY, CALIFORNIA•*+FOURTEENTH NATIONAL CLAY CONESCOPICALLY CN THE SPINDLE STAGE. OPTIC ANGLE DETERMINED CCNESCOPICALLY ON THE SPINDLE STAGE OPTIC ANGLE DETERMINEO CONSTITUTION AND BY-LAWS OF THE HINERALOGICAL SCCIETY OF + CONTACTS IN SOME HIGH - GRADE METAMORPHIC *A STUDY OF GRAIN CGNVOLUTE ZGNING OF PLAGIOCLASE PHENOCRYSTS IN. MIOCENE +
COOLAC SERPENTINE BELT, NEW SOUTH
CHROME ORES FROM THE COORDINATION IN SCAPOLITE.*

DETERMINATION OF SULFUR COPPER - LEAD - SULFUR SYSTEM.* + MINERAL ASSEMBLAGES IN THE COPPER ZONING IN PYRITE FROM CERRO DE PASCO, PERU.*
CORDIERITE AND FELDSPARS IN THIN SECIIQN.* STAINING FOR CDRDIERITE, CHLDRITOID AND VIVIANI // PECTRA OF TOURMALINE, CORCOBA, ARGENTINA** BERMANITE AND ITS OCCURRENCE IN CORRECTICN.* CORRECTICN.* CORRECTIOA.* CORRECTICA.* CORRECTICN.* CORRECTION.* CORRECTIGA. ${ }^{\circ}$ CORRECTION.**- CALCEUM CORRECTION.* ITS RELATION TO THE NATURAL SILICA MINERALS. A CORRELATICN WITH IRON CONTENT. PIN// OLOR BANDING. LACK OF CORROSION FAILURE AMD THE HYDRATION OF GLASSY SILI+STRESS CORUNDUM STABILITY.*

THE PROBLEM, OF QUARTZ -

A531232
B530353B
A531015
A530929
B530353B
B531783A
A530472
B530353B
B531C69B
A531568
A532018
A531882
A532036
N530293
A532018
A530994
N531765
B531069A
A53132C
A531523
N532075
M5321C6B
A531377
P53178s
A531882
A530478
B530513
A530116
4531244
A532036
A530088
A530C38
A530116
A530184
N531025
A530445
A531215
B5317848
N530 295
A531645
B530353B
A536278
A530269
P530643
N5 30323
A530954
A530162
N531735
A530145
N531748
N530327
A531174
A530416
8530512
N531061
N5 31417
N536347
N531060 N530346 N5305C6
N531418
N531062
A531523
N531756
N532092

CURLNDUM.*
ON THE CAUSE OF ASTERISM IN STAR CO3)2 - CAFE\{CO3)2 - CAMN(CG3)2.** THE DOLOMITE JOIN, CAMGI CO3)2 - CAMN(CO312.*t THE DOLOMITE JOIN. CAMG(CO3)2-CAFEI CO3)2.* + THE DOLUMITE JOLN, CAMG(CO3)2-CAFE(CO3)2-CAMNI CRCCIDOLIIE STRUCTURE * * DISTRIBUTIUN OF IRUN CATICNS IN THE CRYPTOMELANE FRUM TARAPACA PROVINCE, CHILE+HIGH - POTASSIUM CRYSTAL - CHEMICAL CHAKACTERIZATION OF OMPHACITES.*
CRYSTAL - CHEMISTRY OF AXINITES.* NOMENCLATURE AND CRYSTAL ANO SULIU STATE PHYSICS.* NEW SERIES, GROUP 3. CRYSTAL CHEMISTRY OF THE BASIC MANGANESE ARSENATE MINERALS + CRYSTAL CHEMISTRY UF THE BASIC MANGANESE ARSENATES. I. THE + CRYSIAL HCLDER.* + WITH EASILY GHANGED LIQUID AND IMPROVED CRYSTAL STRUCTURE AND CATION DISTRI BUTION OF GLAUCOPHAN + THE CRYSTAL STRUCTURE AND THE CHEMICAL COMPOSITIUN OF VAUXI +THE CKYSTAL STRUCTURE MODELS OF FRAMEWORK TETRAMEDR I INEXPENSIVE CRYSTAL STRUCTURE OF A HFXAGUNAL AL - SERPENTINE** THE CRYSTAL STRUCTURE DF ALLACTITE.* +ARSENATE MINERALS. II. THE CRYSTAL STRUCTURE OF AN ADULARIA AND A REFINEMENT OF + THE CRYSTAL STRUCTURE OF AUGELITE.*
CRYSTAL STRUCTURE OF CHLCROPHOENICITE.*
THE CRYSTAL STRUCTURE OF OISCRDERED GERSDOKFFITE.* THE CRYSTAL SIRUCTURE OF EVEITE, MN2(OH) ARSENATES. I. THE CRYSTAL SIRLCTURE OF GRAFIONITE** THE CRYSTAL STRUCTURE OF MELANOSTIBITE.*EC.5/3+) -- (T14+). THE CRYSTAL SIRLCTURE GF STALMOLITE.*

THE CRYSTAL SIRUCTURE OF WALSTHOMITE.*

THE CRYSTAL STRLCTURES OF NATURAL GLIVINES.*
CRYSTAL SIRUCTURES.* + VOLUME III. THE DETERMINATICN OF CRYSTALLIAE SOLUTIGNS. I CALCULAT // ROPERTIES OF SANIDINE CRYSTALLIAE SOLUTIONS. II. CALCULA // ROPERTIES UF SANIDINE CRYSTALLINE STATE VDLUME III. THE DEJERMINATION OF + THE CRYSTALLIZATION FROM H - EXCHANGED ZEOLITES * KAOLINITE CRYSTALLCGRAPHIC PRCPEKTIES OF FERTILIZER CDMPOUNDS.* CRYSTALLOGRAPHY** ELEMENIS OF X-RAY CRYSTALS.* + UF HEXAGONAL GERMANIUM UIOXIDE SINGLE CUMNINGTCAITE - GRUNFKIIF SERIES B// DISTRIBUTION IN THE C6H5-CN - MONTMORILLONITE COMPLEX /// UDY OF BENZDNITRILE DAUEREELITE FRCM THE KOTA - KOTA AND ST. MARK'S + ZINCIAN CAVIDITE.* + BETWEEN SENAITE, MAGNETO-PLUMBITE, AND DAWSCNITE * THE INFRARED SPECTRUM OF DEBCRAH VCLCANIC FORMATION AT KAKA// BRECGIA MEMBER OF THE DECEMBER 15 AND $22,1964 . *+4$ TH GENERAL MEEIING, NEW DELHI, DEEP SEA SECIMENTS.* PALYGGRSKITE FROM ATLANTIC DEG. C AT 3 KILCBARS.\& PRESSURE VESSELS TO OPERATE TO 1100 DELAFOSSITE.*
DELFI, DECEMBER 15 AND 22, 1964*** 4 TH GENERAL MEETING, NEW OENSITY MEASUREMENT BY HYCROSTATIC WEIGHING.* POWDER DEPENDENCE CF THE INFRARED ABSORPIIGN UF CALCITE.* PRESSURE DESCRPTICA CN INUENTATICA MICRG HARDNESS + EFFECTS OF WATER DETERMINATIVE MINERALOGY.*

PHY SICAL METHODS IN DETERMINEC CONOSCOPICALLY ON THE SPINULE STAGE *UPTIC ANGLE DETERMINEC CONOSCCPICALLY ON THE SPINDLE STAGE. +OPTIC ANGLE DETERMINING THE CEMPOSITIGN AND // AN X-RAY METHOD FOR DEVEREUX GRAHAM. \# MEMURIAL UF RIGHARU PERCIVAL DHANRASITE.*
DIAGRAMS EY MEANS OF DI ${ }^{\circ}$ TMINANT /// IN SIMPLE PHASE DIAMETER.* + POLISHINE IICLES SMALLER THAN 3O MIGRONS IN DIAMOND WITH HYDRCSTATIC PRESSURE THE REFRACTIVE INDEX DF DICTIDNARY.*

RUSSIAN - ENGLISH PETROGRAPHIC DIFFERENCES AMONG THE SERPENTINE 'POLYMORPHS:** CHEMICAL DIFFERENTIAL SOLUTICN OF PLAGIQCLASE IN SUPERCRITICAL WATE + DIFFERENTIATION UF KAGLIN MINERALS - INTERSALATION FOR DIFFRACTICN ANALYSIS OF CLAY.*

- INTERSALATION FOR DIFFRACTIEN DATA FOR SOME MEMBERS OF THE METATORBE+ELECTRON OIFFRACTICA MAXIMLM DUE TO TEXTURAL PERIODI +LOW-ANGLE X-RAY

N53030C A53088C A53088C A53C88C A530776 A531551 A53084? N531467 E531068 A531.733 A531841 A531399 A531156 N531025 N531738 A53CO 14 A530733 A530625 A531696 A531110 N530290 A531841 A5 30742 A531104 A53113s A53CCC9 A5308G7 B532168A A531965 A53266 B5321i8A A530216 B531784B 8531781 A531394 N530516 A531244 N536.491 A53CE69 N53030 5 A531304 H531785 A53C975 N531765 M531779A B531785 N531413 A531910 A531899 8521783 B A530278 A53C26s A536688 P53C551 M53050 SC A530359 N531056 N531444 8531784 A A53L2i:1 AS 31603 N530334 B5 31783 A N531し28 N531033

DIMCRPH CF ILVAITE.*
UNAAMED MCNOCLINIC DIOXIDE PRESSURE IN AQUEOUS SOLUTIUNAS A FUACTION GF CARBCN DIOXIOE SINGLE CRYSTALS.* OF HEXAGONAL GERMANIUM DIRECT ANC RAPID DEIERMINATION OF ALUMINA AND SILICA IN+THE DIRECTIONS.* + CLEAVELANDITE, AND THE SIGNS OF ITS OPTIC directory of fellows and members of the mineralogical socit dIRECTORY CF METECRITE COLLEGTIONS AND METEGRITE RESEARCH•+ dISCRIMINANT FUNCTIONS.*+ SIMPLE PHASE DIAGRAMS BY MEANS OF OISCRDER IN MGAL204. THE SYSTEMS. MGAL204 - LIAL508+DRDER DISCRDER RELATICNSHIPS OF PLAGICCLASE IN A PORPHYRI+ORDER OI SCRDEREC GERSCORFFITE** HE CRYSTAL STRUCTURE DF discroering process in albite.*
thermoornamics of the DISPERSION METHGD FOR LOW PLAGIOCLASE.* REVISEO DISSOLUTICN AS A FUNCTION OF CARBUN DIOXI+SERPENTINITE RUCK dISTRIBUTION IN THE CUMMINGTONITE // TERMINATION OF CATION distributicn of ccmpositions in the barite - celetfrequency DISTRIBUTION OF ELEMENTS BETWEEN COEXISTING MINERALS AND + DISTRIBUTION OF ELEMENTS IN A SPHERULITIC ANDESITE.*
distribution dF glauccphane a* Crystal structure anc cation OISTRIBUTION OF IRON AND MAGNESIUM BETWEEN COEXISTING GARN* distributich of iron cations in the crocidolite structure.t DIVALENT ORGANIC CATIONS BY LAYER -

ADSORPTION OF DOLCMITE JCIN, CAMG(CO3)2 - CAFE(CO3 DUDGEON QUENSEL.*

RELATIONS ON THE MEMORIAL OF PERCY DUE TO TEXTURAL PERIODICITY IN HEATE DIFFRACTION MAXIMUM E RIAGWOCC. ${ }^{*}+$ SCCIEIY OF AMERICA AWARD FOR 1967 TO ALFRED EARTH - SLRFACE CONOITIONS.* + AND GENESIS OF SEPIOLITE AT EASILY CHANGED LIOUID AND Improved SPINDLE STAGE WITH EASI GREEMLAND.*

BYTOWNITE FROM CAPE PARRY, eastern blshvelc complex, south the lower part of the ECLCGITE AND ALMANDINE - JADEITE - qUARTZ ROCK FROM THE + ECLCGITE INCLUSIONS IN KIMBERLITE.* ORIGIN OF SCME ECLCGITES FROM KIMBERLITE PIPES.* SECONDARY ALTERATION IN ECLOGITIC AND OTHER INCLUSIONS IN THE MINERAL BRECCIA MEMB+ ELECTRON CIFFRACTION ANALYSIS OF CLAY.*
ELECTRON CIFFRACTION DATA FOR SCME MEMBERS DF THE METATCRB+ ELECTRON MICROPROEE ANALYSES OF SPINELS AND THEIR ALTERATI+ electron microproee analysis df vanadium in the presence + ELECTRON MICROSCOPIC STUDY OF SCIL ALLOPHANE WITH AN + AN ELECTRON CPTICAL STUDIES OF THE REACTION PROCES+KINETIC ANC electronic interaction as a source FERROUS - FERRIC ELEKIRONENSTRAHL - MIKROANALYSE. VOL. IV OF HANDBUCH DER + elements and genetic types of thei // no mineralcgy of rare ELEMENTS 日ETWEEN CDEXISTING MINERALS AND + DISTRIBUTION OF ELEMENTS IN A SPHERULITIC ANDESITE* DISTRIBUTION OF ELEMENTS OF X-RAY CRYSTALLOGRAPHY.*
ELEMENTS.* + OF THEIR DEPOSITS. VOL I. GEOCHEMISTRY OF RARE EMERALD EY VISIBLE AND INFRARED // dF BERYL AND EMISSICN SPECTROGRAPHY IN GEOLOGY.* X-RAY ENARGITE, GCLDFIELDLITE.* + LUZONITE, STIBIOLUZONITE, END MEMBERS, KNCRRINGITE, FROM KIM.// A NEW CHROMIUM GARNET ENGLISH PETROGRAPHIC DICTIONARY.* RUSSIAN ENSTATITE CHONDRITES.*+ FROM THE KOTA - KOTA AND ST. MARK'S EPIDESMINE (= STILBITE).*
EPIOOTE FCRMED IN THE SALION SEA GEOTHERMAL + HYDROTHERMAL EPOXY IMPREGNATIUN CF PORCUS MATERIALS FOR + HIGH PRESSURE EqUILIBRIA IN CHARNOCKITES, VARBERG, CHEMICAL STUOY OF PHASE ERICL JOSEPH WEISS.* MEMORIAL OF ERRATA.* SYNTHESIS GF THE SCANDIUM ANALOGUE OF BERYL. ESKOLA.* MEMORIAL OF PENTTI EUCRYPTITE AND BIKITAITE FROM KING'S MOUNTAIN. NORTH CAROL + EVEITE, MN2(DH)(ASO4).* + I. THE CRYSTAL STRUCTURE OF EXAMINATICN OF RED BERYL FROM UTAH.*
exchanged zeolites. KaOlinite crystallilation from h -

M532105A
A531252
A531394
4530283
A531568
P536647
8531069 A
A530359
A531456
A530968
N53C290
A530123
4530105
A531252
N5305:6
A531215
A53C994
A5320 25
A531156
A532018
A53C77C
A530478
A530880
P53C590
N531C33
P53C531
A531645
A531399
N531759
A530116
A531320
A531347
A531336
A531304
B531783A
N5310 28
A531918
N531770
N530319 A53C917 A531174 85321088 8531067 A534994 A532C 25 853178 8531067 A5 30777 8530352B M5321C6B 4531833 8531784A N5 30491 M531066D A531635 N530339 A531674 P530617 N5321C1 P530544 A531202 A531841 A5308C 1 A531965 A530216
expansion of the leucite group of minerals. * the thermal EXPERIMENTAL DATA ON THE STABILITY OF PUMPELLYITE.* SOME EXPERIMENTAL PRECIPITATION AND GENESIS OF SEPIOLITE AT * EXPERIMENTALLY HYDRATED RHYOLITE THE REFRACTIVE INOEX OF FACES OF SYNTHETIC QUARTZ.* HILLOCKS ON FIRST-ORDER PRISM FAILURE ANO THE HYDRATION OF GLASSY STRESS - CORROSION faUJASITES. A SUBSTITUTICNAL SERIES.HIGH - AND LOW - SILICA FELOSPAR. I. DETERMINATION OF CCMP // TICAL STUDY OF ALKALI felospar. II. AN X-RAY METHCD FER // TICAL STUDY OF ALKALI FELDSPARS IN THIN SECTION © + STAINING FOR COREIERITE ANL FELLOHS AND MEMbERS OF THE MINERALOGICAL SOCIE+DIRECTORY OF fellows and members.*

GEOGRAPHICAL LIST OF FERRIC ELECTRONIC INTERACTION AS A // VIVIANITE. FERRCUS FERROBABIAGTONITE.*
FERROSELITE FROM COLORADO AND NEW
manganbabingtonite, hardness of FERROSTIBIAN = LANGBANITE,*+ MELANOSTIBITE, MANGANOSTIBITE, FERRQUS - FERRIC ELECTRONIC INTERA // AND VIVIANITE. FERTILIZER COMPOUNDS.* CRYSTALLUGRAPHIC PROPERTIES GF FEO.5/3+) -- (TI4+). THE CRYSTAL OF THE TYPE $15 B 0.5 / 5+$ FE2+ IN PaRAMAGNETIC MINERALS.* MAGNETIC MOMENT OF FIbrous silicates - natural ano synthetic asbestos.*
FIELD BQUNDARIES in SIMPLE PHASE DIAGRAMS BY + ON LOCATING FILM SECTICNS.* PREPARATION OF THIN FIRST-ORDER PRISM FACES OF SYNTHETIC QUARTZ.* HILLOCXS ON FIVE PLAGICCLASES.* CALCULATED POWDER PATTERNS FOR FLATTENED GARNETS IN STRONGLY FCLIATED GNEISSES FROM THE * FLORIDA.*

CACOXENITE ANO BERAUNITE FROM FLUCRIDE - HYDROXYL APATITE.*+ APATITE. II. LOH TEMPERATURE FLUX GROWTH AND CHARACTERIZATION OF HEXAGUNAL GERMANIUM + foliated gneisses from the grenville garnets in strongly FORO.*

MEMORIAL OF HUGH ALEXANDER FORMED IN THE SALTON SEA GEOTHERMAL HYDROTHERMAL EPIDOTE FORMULA.* JOHACHIDOLITE, A REVISED CHEMICAL forty-eighth annual meeting df the proceedings of the FOSSIL BONE.*+GOMPOSITICNAL, INFRARED AND X-RAY ANALYSIS GF FQURTEENTH NATIONAL CLAY CONFERENCE, PROCEEDINGS OF THE FRACTIONATEC REGULARLY INTERSTRATIFIED CLAY $+X$-RAY DATA ON A FRAMEWDRK TETRAHEDRA** + CRYSTAL STRUCTURE MODELS OF FRANKLIN, NEH JERSEY.* * AND MANGANOAN AMPHIBGLES FROM FRECUENCY DISTRIBUTION OF COMPOSITIONS IN THE BARITE - +
FREGUENCY SHIFTS ASSOCIATED WITH MINERALS. SPLITTING ANC FUNCTIONS.*+ SIMPLE PHASE DIAGRAMS BY MEANS OF DISCRIMINANT GABRIELSONITE.*
gageite anc harstigite. a correction - calcium silicates, gageite and harstigite.*+the manganese - calcium silicates, GAMISGRADITE (= HORNBLENDE).*
GANANDQUE AREA, ONTARIO.** FROM THE GRENVILLE SERIES OF THE Garnet and clinopyroxene in rocks // between coexisting GARNET ENC MEHBERS, KNORRINGITE, FROM KIMBER A NEW CHROMIUM Garnet.* + MINERALS and the nature of solio solution in GARNET).* + BERZELIITE (CANAMN2AS3012) SERIES (ARSENATE garmets in strongly foliated gneisses from the + flattened GENERAL MEETING, NEW DELHI, DECEMB// ASSOCIATION, 4TH GENESIS OF GROWTH THINNING. A DISCUS CONSIDERATIONS IN THE GENESIS OF GROWTH TWINNING. A REPLY. CONSIDERATIONS IN THE genesis of sepiclite at earth PRECIPITATION AND geochemistry and mineralogy of rare elements and genetic + GEOCHEMISTRY OF RARE ELEMENTS.* + OF THEIR DEPOSITS. VOL I. geographical list of fellows and members.*
geology and mineralogy of The ruth //ineral occurrences. I. geology and mineralggy of the rutmerford pegmatities, amel GEOLOGY.* X-RAY EMISSION SPECTROGRAPHY IN GEOTHERMAL SYSTEM, CALIFORNIA.* + FORMED IN THE SALTON SEA

## GE02.*

HYDROTHERMAL INVESTIGATION OF
GERMANITE, COLUSITE, LUZONITE, STI// BRIARTITE, RENIERITE,

A531476 N531038 A531645 N531754 A53C825 N531756 A531293 A530038 A530688 N530327 P530647 P530698 A531174 M5310648 N5 32075 M531779C A531174 B5317848 A531164 A530406 8531070 A530359 N531773 A530825 A531709 A531386 N532096 A531953 A531394 A531386 P530548 A531635 N532082 P530623 A530445 85303538 A530472 N531738 A531264 A531215 N531740 A530359 M531063C N531418 N530309 M532107A A531386 A532018 A531833 A530994 N530316 A531386 8531785 N530342 N5 30344 A531645 8531067 8531067 P530698 A530373 N532102 85303528 A531635 N531744 M5321068

GERMANIUM CICXIDE SINGLE CRYSTALS.办 TERIZATION OF HEXAGONAL GERSDORFFITE.* THE CRYSTAL STRUCTURE OF DISORDERED GIBESITE.* + MAXIMLM DUE TO TEXTURAL PERIOCICITY IN HEATED GLADITE, REZBANYITE.*

LINDSTROMITE, HAMMARITE, GLASS:* + INDEX OF EXPERIMENTALLY HYORATED RHYOLITE GLASSY SILICIC ROCKS.* + FAILURE AND THE HYDRATIUN OF GLALCOPHANE**+ CRYSTAL STRUCTURE AND CATION DISTRIBUTION OF GNEISS.\#+ IN THE MODAL ANALYSIS OF A COARSE - GRAINED AUGEN GNEISSES FRCM THE GRENVILLE SERIES // IN STRONGLY FOLIATED GOLDFIELDLITE.* + LUZONITE, STIBIOLUZONITE, ENARGITE, GOUVERNEUR MINING DISTRICT, NEW AMPHIBGLES FRCM GRACE METAMCRPHIC ROCKS.* + OF GRAIN CONTACTS IN SOME HIGH GRACE.* + AND CLINOPYROXENE IN ROCKS OF VARYING NETAMORPHIC GRAFTONIIE - BEUSITE SERIES.F FROM ARGENTINA AND THE GRAFYONITE.* THE CRYSTAL STRUCTURE OF GRAMAM. MEMORIAL OF RICHARD PERCIVAL DEVEREUX GRAIN CONTACTS IN SCME HIGH - GRADE METAMORPHIC +A STUDY OF GRAINED ALGEN GNEISS.*+ IN THE MDDAL ANALYSIS OF A COARSE GRAINS SHOWING ALTERED BORDERS FROM THE BASAL REEF +GHROMITE GRAND COUNTY, UTAH.*+BORATE MINERAL FRUM THE PARADCX BASIN, GRAWE.*

MEMORIAL OF OLIVER RUOOLPH
GREEN RIVER FORMATICN OF WYOMING. * IN TUFFS OF THE GREENLANO.* BYTOWNITE FROM CAPE PARRY, EASJ GREIGITE.* MORE DATA ON GRENYILLE SERIES OF THE GANANOQUE GNEISSES FROM THE GRINDING. $\quad$ TRANSFORMATION OF VATERITE TO CALCITE DURING GROSSULARITE - SPESSARTITE SERIES.* SYNTHESIS QF THE GROLTITE. A CORRECTION。* ANTIMONIAN GHCLTH ANC CHARACTERIZATION OF HEXAGONAL GERMANIUM + FLUX GROWTH TWINNING. A OISCUSSION.* IN THE GENESIS QF GRCWTH TWINNING A REPLY.*+CONSIDERATIONS IN THE GENESIS OF GRUNERITE SERIES BY MOSSEAUER SPEC //N THE CUMMINGTONITE GUAJIRA PENINSULA, CQLOMBIA, SOUTH//- QUARTZ ROCK FROM THE GUETTARDIIE.*
H - EXCHANGED ZEOLITES.* KACLINITE CRYSTALLIZATION FROM HAMMARITE, GLADITE, REZBANYITE,*

LINDSTROMITE, HANCBUCH DER MIKROCHEMISCHEN METHODE VOL. IV OF HARDNESS ANISOTROPY IN MINERALS. ON INOENTATION MICRC HARDNESS CF FERROSELITE FROM COLOR // AND MICROINDENTATION HARRISON ASHLEY SCHMITT.*

AND MICROINDENTATION
MEMORIAL OF HARSTIGITE. A CORRECTIÜN.*+- CALCIUM SILICATES, GAGEITE AND HARSTIGITE,*+THE MANGANESE - CALCIUM SILICATES, GAGEITE AND HASTINGSITE.*

CHLOR -
HEATED GIEESITE * + MAXIMUM DUE TU TEXTURAL PERIOCICITY IN HEMAFIBRITE, SYNADELPHITE, ARSENOCLASITE, ARSENIOP +RETZIAN, HEMATITE). ${ }^{\text {H }}$

RAPHISIDERITE $=$ HEMIHEDRITE.*
HEMUSITE.*
HENRI BUTTGENBACH.* MEMORIAL OF HEULANDITE** AND REFINEMENT OF THE STRUCTURE OF HEXAGONAL AL' - SERPENTINE * THE CRYSTAL STRUCTURE DF A HEXAGONAL GERMANIUM DIOXIDE SINGLE//D CHARACTERIZATION OF HIGH - ALUMINA AND CLAY HINERALS.* SOLUBILITY STUDIES DF HIGH - ANC LOH - SILIGA FAUJASITES. A SUBSTITUTICNAL SERIE + HIGH - GRADE METAMORPHIC ROCKS * + OF GRAIN CONTACTS IN SOME HIGH - PCTASSIUM CRYPTOMELANE FROM TARAPACA PROVINCE CHIL + KIGH ALBITE SOLIO SOLUTION SERIES. // AND THE SANIDINE HIGH PRESSURE EPOXY IMPREGNATION OF POROUS MATERIALS FOR + HILL LODE, NEW SQUTH WALES. AUSTRA//ESITE FROM THE BROKEN HILL, NEW JERSEY** ZINC - RICH MICAS FROM STERLING HILLOCKS CN FIRST-ORDER PRISM FACES OF SYNTHETIC QUARTZ.
HOLDER** + WITH EASILY CHANGED LIQUID AND IMPROVED CRYSTAL HOLMES.* HONDURAS.*

+ A NEW TELIURITE MINER
HORNBLENDEI* * A NEN MERAL FROM MEXICO AND GAMISGRADITE $1=$

A531394
N5 30290
N531033
M530351A
N531754
N531756
A531156
A532036
A531386 M532146B A530751 N53C323 A532012 A531799 A530742 P530551
N530323
A532C36
A531543
A531081
P530555
A5 30184 N531759 N532087 A531386 N532089 N531036 N5 31417 4531394 N530342 N53C344 N530506 A 531320 M531425B A530216 M530351A 85321088 4531899 N5320.75 P530601 N531418 N5303C9 M531778A N531033 M5 317798 M531066C M531427A M531775A P530536 A531120 A530414 A531394 A530929 A531293 N5 30323 A531551 N530346 N530339 A531614 N531752 A530825 A531399 P530560 A531075 M532207A

HUGF ALEXANDER FORD.* MEMORIAL OF HUMRERSTGAITE.*
HYORATED EASIC SULFATE - PHOSPHATE OF + SANJUANITE, A NEW HYORATED RHYOLITE GLASS. INDEX OF EXPERIMENTALLY HYDRATION OF GLASSY SILICIC ROCKS.* RROSION FAILURE AND THE HYORALINE INTERCALATION - INTERSALATICN FOR DIFFERENTIATIO* HYORO - NAUJAKASITE.*
HYOROBASALUMINITE AND BASALUMINITE IN CABANISS FURMATION * HYDROGARNET.*

SYNTHETIC INDIUM SILICATE AND INDIUM HYDROSTATIC PRESSURE TO 7 KILDBARS. \#E INDEX OF DIAMOND WITH HYDROSTATIC WEIGHING* PCWDER DENSITY MEASUREMENT BY HYOROTHERMAL GONDITIUNS * * CF ARAGOMITE TO CALCITE UNDER HYOROTHERMAL EPIDCTE FORMED IN THE SALTON SEA GEOTHERMAL \& HYDROTHERHAL INVESTIGATICN CF GED2.*

HYOROUS CALCIUM RARE-EARTH BORATE
HYDREXIDE TETRAHYORATE. A DISCUSSION
hYCROXIDE TETRAHYORATE. A REPLY.*
BRAITSCHITE: A NEW ALUMINUM CARBONATE AL UMINUM CARBONATE HYDROXIDES.** TITANATES, NIOBATES, TANTALATES, ANTIMDNATES, HYORCXYL APATITE.*+ APATITE. II. LOW TEMPERATURE FLUORIDE IDAITE, ERIARTITE, RENIERITE, GERMAN MAWSONITE, KESTERITE, IDRIALITE.*
IGNEOUS RCCKS 【N NORTHEASTERN UTAH.*AND ASSOCIATED POTASSIC IKI ISLANC, JAPAN.* *AND BASIC INCLUSICNS IN ALKALI BASALTS, ILVAITE.* UNNAMED MONOCLINIC DIMORPH OF IMPREGNATICN OF PCRCUS MATERIALS

HIGH PRESSURE EPOXY IMPROVED COLD SEAL PRESSURE VESSELS IO OPERATE TO 1100 +
IMPRCVED CRYSTAL HCLDER** + WITH EASILY CHANGED LIQUID AND INCLUSIONS IN ALKALI BASALTS, IKI // ULTRABASIC PAND BASIC INCLUSICNS IN KIMBERLITE.*
INCLUSICNS IN THE MINERAL GRECCIA INDENTATICN MICRU HARONESS ANISOTR// F WATER DESORPTION ON INDEX OF CIAMOND WITH HYDROSTATIC // DF THE REFRACTIVE INDEX OF EXPERIMENTALLY HYDRATED RHYOLITE + THE REFRACIIVE INDEXING FCWDER PATTERNS GF LOWER SYSTEMATIC APPROACH TO INOIA.* + PYROXENE IN SYENITE ROCKS OF SIVAMALAI. SOUTH IND IUM HYCRGGARNET. F SYNTHETIC INDIUM SILICATE AND INDIUM SILICATE AND INDIUM HYORDGARNET.*

SYNTHETIC
INESITE FRCM THE EROKEN HILL LCDE, NEW SOUTH WALES, AUSTRA*
INEXPENSIVE CRYSTAL STRUCTURE MODELS OF FRAMEWORK TETRAHED* INFRARED ABSORPTICN OF CALCITE** +PRESSURE DEPENDENCE OF THE INFRARED ABSORPTICN SPECTROSCOPY.* EMERALD BY VISIBLE AND INFRARED AND X-RAY ANALYSIS OF FOSSIL BONE.* COMPOSIIIUNAL, INFRARED SPECTRA CF PHOSPHATE MINERALS. SPLIITING AND FREQ* INFRARED SPECTRUM DF EERYL. A CORRECTION.* NEAR INFRAREC SPECTRUM OF DAWSQNITE.* THE INFRARED STUOY GF BENZONITRILE C6H5-CN - MONTMORILLDNIIE + INORGANIC MATERIALS, VOL 1 , AMPHIBOL MINERALS, ROCKS, AND INTERACIICN AS A SOURCE DF PLECCHR // - FERRIC ELECTRGNIC INTERCALATICN - INTERSALATIGN FCR DIFFERENTIATION+HYDRAZINE INTERNATICNAL MINERALOGICAL ASSOCIATICN, 4 IH GENERAL MEEII* INTERSALATICN FCR DIFFERENTIATICN INTERCALATION INIERSTRATIFIED GLAY.* * DATA ON A FRACTIONATEC REGULARLY ION - EXCHANGE DATA.* + SOLUTICNS. I CALCULATIONS BASEC ON IRON AND MAGNESIUM BETWEEN COEXISTING GARNE +DISTRIBUTION OF IRCN CATICNS IN THE CROCIDOLITE STRUCTURE.* DISTRIBUTION OF IRCA CONTENT, PINE POINT, NORTHWES // OF CORRELATION WITH IRON IN TRIGCTAHEDRAL MICAS.* THE DETERMINATION OF TCTAL JADEITE - GUARTZ ROCK FRCM THE GUA // JADEITE.*
JALPAITE.*

## JALPAITE.*

NEW CGCURRENCES AND DATA FQR JAPAN * +AMD BASIC INCLUSICNS IN ALKALI BASALTS, IKI ISLAND, JERSEY PRECAMBRIAN.* + SOME CHARNCCKITIC ROCKS IN THE NEW JERSEY. $\#$ ZINC - RICH MICAS FROM STERLING HILL, NEW JERSEY.* - AND MANGANDAN AMPHIEULES FROM FRANKLIN: NEW

P530548 M5305C7A A530C01 N531754 N531756 N5 30334 M531778B A53し722 A531663 N531404 N531413 N530295 A531635 N531744 A531081 N531057 N531059 B53C513 A531953 M5321C68 M531066A N531041 A530.241 M532105A N53C 339 N531765 A531399 A530241 A531347 A5313C4 A531899 N5314C4 N531754 A532047 A530464 A531663 A531663 A531614 N531738 A531910 A530777 A530445 N5 31740 N530347 N5303C5 A531244 E531782 A531174 NS 30334 8531785 N53C334 A53C472 A531965 A532018 A53C770 A531523 N5 31054 A531320 A531281 M531778C A53153U A530241 A531696 N531752 A531264

JOHACHIDCLITE, A REVISED CHEMICAL FCRMULA.* JOHASTONOIITE.*
JOIA. Camgicoul2 - CAFE(CO3)2 JOSEPH WEISS.* JUJUY, ARGENTINA.* K - ANALCCUE OF ANALCIME.* KAKANUI, NEW ZEALAND.*+ OF THE DEBORAH VOLCANIC FORMATION AT KANSAS.* + FORMATION (MIDOLE PENNSYLVANIAN), SOUTHEASTERN KACLIN MINERALS FROM CHLORITES.* FOR DIFFERENTIATION OF KAOLINITE AND SCDIUM CARECNATE,**REACTION PROCESSES BETWEEN Kaclinite crystallizaticn from h - exchangec zeolites.*
KENYAITE.*
magadilte,
KESTERITE, IDAITE, QRIARTITE, RENIER STANNITE, MAWSONITE, KILCBARS.*t INDEX OF DIAMOND WITH HYDROSIATIC PRESSURE TO 7 KILCBARS.*+ PRESSURE VESSELS TC OPERATE TO 1100 DEG. C AT 3 KIMBERLITE PIPES.* SECCNDARY ALTERATION IN ECLCGITES FROM KIMberliteo arigin gf sume ectogite inclusigis in KIMBERLITE.*+CHROMIUM GARNET ENO MEMBERS, KNORRINGITE, FROM Kinetic anc electron optical studies of the reaction proce+ kINETIC CCASIDERATIONS IN THE GENESIS OF GROWTH TWINNING. + kinetic ccasiderations in the genesis of growth thinning. * KING'S MOLNTAIN, NORTH CAROLINA.* KNOPF.* AND BIKITAITE FROM MEMORIAL GF ADCLPH
KNCRR INGITE, FRCM KIMEERLITE.**CHRGMIUM GARNET END MEMBERS, KUTA - KCTA AND ST. MARK'S ENSTATITE DAUBREELITE FROM THE KOTA AND ST. MARK'S ENSTATITE CHON // FROM The kota LACK OF CLRRELATICN WITH IRON CONT// COLOR BANDING. LAMPROSTIEIAN RENAMED MELANOSTIBITE, MANG +MELANOSTIBIAN AND LANCBOLT ECRNSTEIN, NEW SERIES, GROUP 3. CRYSTAL AND SOLID+ LANGBANITE.*+ MELANOSIIBITE, MANGANCSTIBITE, FERROSTIBIAN = latilce parameters and superstructures of pyrrhotiteton the launayite.*
LAWRENCE FICKARD WAGER.* MEMCRIAL GF LAYER - SILICATE MINERALS * + OF DIVALENT ORGANIC CATIONS BY LEAC - bismuth tellurioe.* UNNAMEO
lead - Sulfur systen.*+ mineral assemelages in the copper LEAC CALCIUM ZINC SILICATES.* SYNTHESIS DF SCME LEPIDCLITES.* PHYSICAL PROPERTIES OF SYNTHETIC LeUCITE GRCUP OF MINERALS.* THE THERMAL EXPANSICN OF THE LIAL508, MGAL204-NICR2G4. MGAL204 THE SYSTEMS. MGAL2G4 LINCC Patterson.* MEMORIAL CF ARTHUR
LIADSTRCMITE, HAMMARITE, GLADITE, KEZBANYITE:*
LINUS PAULING.* PRESENTATION CF THE ROEbLING MEDAL TO LIQUID ANC IMPROVED CRYSTAL HOLDER.*AGE WITH EASILY CHANGED LITCHFIELCITE, PETERBQROUGH COUNTY, FROM THE BLUE MIUNTAIN locating field golncaries in sinple phase diagrams by + on LCDE, NEW SCUTH WALES, AUSTRALIA.* FROM THE EROKEN HILL LOELLINGIIE SOLID SBLUTICN SERIES.* THE SAFFLORITE LOW - Silica faujasites. A SUBStitutional series +high - ano Low albite and the sanidine - high // of the microcline LOW PLAGICCLASE.* REVISED DISPERSION METHOD FOR LEW TEMPERATURE FLUORIDE - HYDRCXYL// IN APAIITE. 11. LOW-ANGLE X-RAY DIFFRACTION MAXIMUM DUE TO TEXTURAL PERIOD* LCWER PART GF THE EASTERN BUSHVELD PLAGIOCLASES FROM THE LCWER SYMMETRY USING DE WOLFF'S POWDER PATYERNS OF LUNAR AND PLANETARY PETROGRAPHIC MICROSCOPE.*

ERMANITE, COLUSITE, LUZCNITE, STIBIGLLZCNITE, ENARGITE, GERMANITE, COLUSITE, LyMn and terry colnties, texas.* + from pluvial mound lake, madCCITE.*
hagadilte from trinity county, california.*
magadilte, kenyaite.*
MAGNESIUM - ANTIMCNY SILICATE.*+ARSENATE, UNNAMEC CALCIUM MAGNESIUM ALLMI AUM CARBONATE HYDROXIDE TETRAHYORATE. A +
MAGNESIUM ALUMINUM CARBONATE HYDROXIDE TETRAHYDRATE. A +
MAGNESIUM EETWEEN COEXISTING GARNET//
of iron and

N532082
M531065C
A53C880
P530617
A531815
M531777B
A53136.4
A536722
N53C 334
A530917
A530216
M536510A
M532166
N5314C4
N531765
A531336
A531347
A531833
A530917
N530342
N530344
A531202
P530567
A531833
N530491
N530491
A531523
M5317796
8531068
M531779C
A531846
M531423A
P53C6C8
A530478
M531421A
A530145
A530231
A531490
A531476
A531456
P530576
M530351A
P530521
A531399
N531048 A53035s
A531614
A531856
A531293
N53034t
A530105
A531953
N531C33
A530116
A532C47
A531724
M532106B
A5 30984
M531421C
A532te2
M530510A
N5314268
N531057
N531059
A532018
magnetic mgment of fert in paramagnetic minerals.*
MAGNETO-PLUMBITE, ANO DAVIOITE.* BETWEEN SENAITE, maine.* + AFter staurolite in the rangely - uquossoc areas, MANGANESE RERZELIITE (CANAMN2AS3OL2) GAZNAMGZAS3012 manganbabingtonite, ferrobabingtonite.*
manganese - calcium silicates, gagelte andorelaticns of the manganese - calcium silicates, gageite and trelaticn of the manganese arsenate minerals. II. Chemistry of the basic mancanese arsenate, unnamed calcium - magnesium - + unnamed manganese arsenates. I. the crystal chemistry of the basic MANGANUAM AMPHIBOLES FRUM FRANKLIN, NEW JERSEY. +ZINCIAN AND MANGANOSIIBITE, FERROSTIBIAN = LAN // ENAMED MELANOSTIBITE, MANJIROITE.*
mansarp anc tagerg, sheden.** their alteration prcelict from MARK'S ENSTATITE CHCNDRITES.*+ FROM THE KDTA - KOTA AND ST. MARCKITE.* SECCND OCCURRENCE OF MAWSONITE, KESTERITE, IDAITE, GRIARTITE, RENIERIT+STANNITE, MAXIMUM DLE TO TEXTURAL PERIODICITY X-RAY DIFFRACTION MEANS OF CISCRIMINANT FUNCTIONS.** SIMPLE PHASE DIAGRAMS BY MECHANICS CF SOILS, CLAYS, AND BUILDING+PHYSICAL - CHEMICAL medal to linus pauling.* presentation uf the roebling MEOAL.* ACCEPTANCE OF THE ROEBLING MEETING DF THE NINERALOGIGAL SOCIE E FORTY-EIGHTH ANNUAL MEETING, AEW DELHI, DECEMBER 15 AND 4TH GENERAL melanostieian and lamprostibian renamed melanostibite, + MELANOSTIEITE** $+--(T I 4+)$. THE CRYSTAL STRUCTURE OF melandstirite, manganestieite, ferre lamprostibian renamed MELANOTEKITE.* * OF AEGIRINE, SPODUMENE, ANDRADITE AND MEMCRIAL CF ADCLPH KNGPF.*
MEMCRIAL CF ALbert williams postel.*
MEMCRIAL CF ARTHUR HOLMES.*
memcrial cf arthur lindc pattersun.*
MEMCRIAL CF ERICL JOSEPH WEISS.*
MEMCRIAL CF HARRISOA ASHLEY SGHMITT.*
MEMCRIAL CF HENRI BLTTGENBACH.*
MEMCRIAL CF HUGH ALEXANDER FORD.*
memcrial cF lawrence rickard wager.*
MEMCRIAL CF OLIVER RUDOLPH GRAWE.*
memerial cF ottc charles von schlichten.*
MEMCRIAL GF PENTTI ESKOLA.\#
MEMCRIAL CF PERCY OUDGEON QUENSEL.**
MEMCRIAL CF PETER ZODAC.*
memerial cf richard percival devereux graham.*
MEMCRIAL CF SIR ARTHUR RUSSELL.*
meta-aluminite, a new mineral frim temple mcuntain, utah.* METALIERIGITE.*
metamorphic grade.* + and clinopyroxenie in rocks of varying METAMCRPHIC ROCKS.*+ OF GRAIN CONTACIS IN SOME HIGH - GRADE METASOMATISCHEM PROLESSE.* ABRISS DER METASOMATISM.* COMMENTS ON SERPENTINIZATION AND RELATED metatorbernite grcup.* + data for some members of the meteorite ccllections and metecrite researct.* directory of metecrite research.*+DIRECTORY OF meteorite collections ano METHCDEN. + VOL. IV OF HANDBUCH DER MIKRCCHEMISCHEN methods in determinative mineralogy.* PHYSICAL MEXICO ANC HUNDURAS.* + A NEW TELLURITE MINERAL FROM MEXICO.* + HARDNESS OF FERRCSELITE FROM COLCRADO AND NEW MEYNACITE.*
Mg - SI - C SYSTEM.* + CF OLIVINE AND PYROXENE IN THE NI MGAL204 - LIALSOB, MGAL2C4 - NICR2 // MGAL2O4. IHE SYSTEMS. MGAL204 - NIAL204, AND NIAL204 - // MGAL2C4 - NICR2O4, MGAL204 - NICR2E4, MGAL204 - NIAL2 // MGAL2O4-LIAL508, MGAL204. THE SYSTEMS. MGAL2O4 - ORDER - DISORDER IN MGO.6B2C3.AS2O5.18H2O, A NEW MINERAL FROM + TERUGGITE, 4CAO. MICA PERICQTITE, WYCMINGITE, ANC ASSOCIATED PGTASSIC IGNED+

A5304C6 A530869 A531368 N530316 M5310648 N53036 9 N531418 A530733 M5 11426 B A531841 A531264 M531779C M5321048 A531918 N534491 N530495 M532106B N5310.33 A53C359 8531 C69B P530521 P530524 P530623 8531785 M531779C A531104 M5317796 A531276 P530567 P530586 P530560 P530576 P530617 P530661 P530536 P530548 P530668 P530555 P530599 P5 30544 P530590 P530619 P53055i P530596 A530717 M5305C 9B A532018 N530323 B530354 A531377 N531028 8531069A 8531069A B532168B B531783B A531075 N532075 M531065A A530257 A531456 A531456 A531456 A531456 A531815 N531041

MICAS FRCM STERLING HILL NEW JERSEY.* ZINC - RICH MICAS.* THE DETERMINATION CF TOTAL IRON IN FRICCTAHECRAL MICRO HARCNESS ANISETROPY IN MINERAL// ON INDENTATIUN MICRUCLIAE - LOW ALSITE AND THE CELL PARAMETERS DF THE HICRCINDEATATIGN HARONESS OF FERROSELITE + REFLECTIVITY ANC MICRCMETEF CCULAR METHOD.* + GN THE SPINDLE STAGE. I. MICRENS IA CIAMETER.* + PCLISHING PARTICLES SMALLER THAN 30 MICRGPROEE ANALYSES OF SPINELS AND THEIR ALTERATIO+ELECTRCN MICROPROEE ANALYSIS OF VANADIUM IN THE PRESENCE UF \&ELECTRON MICRCPRCEE ANALYSIS.* + MATERIALS FUR THIN - SECTION AND MICRCSCOPE* A LUNAR ANE PLANETARY PETROGRAPHIC MICROSCOPIC STUDY OF SOIL ALLCPHANE WITH AN + AN ELECTRON MICRCSCOPY.* APPLIED ORE MIDCLE PEAASYLVANIANI, SCUTHEASTER// CABANISS FORMATICN I MIKRCANALYSE VDL. IV OF HANDBUCH DER * ELEKTRONENSTRAHL MIKRCCHEMISCHEN METHODEN.* VOL IV OF MANCBUCH DER MIMETITE IPE5(ASO4)3CL) ** 4 OF PG4/3 - FOR ASO4/3 - IN MINERAL ASSEMBLAGES IN THE COPPER - PHASE RELATIONS AND MINERAL ERECCIA MEMBER GF THE DEBU /// HER INCLUSIONS IN THE MINERAL FRCM ARGENTINA, AND THE GRAFTGNITE - +BEUSITE, A NEh MINEFAL FRCM ARIZONA.* WICKENBURGITE, A NEW MINERAL FRCM JUJUY, ARGENTINA.* A NEW MINERAL FRCM MEXICO AND HONDURAS.* A NEW TELLURITE MINERAL FRCM TEMPLE MOUNTAIN, UTAH.* META-ALUMINITE, A NEW MINERAL FRCM THE PARAOOX BASIN. RARE-EARTH BORATE MINERAL CCCLRRENCES. I. GEOLOGY AND MINERALCGY OF+CLASSICAL MINERAL RECCGNITICN. CORRECTION.*
MINERALOGICAL ASSCCIATION, 4TH GENERAL MEETIN+INTERNATIGNAL MINERALOGICAL SOCIETY OF AMERICA AWARD +PRESENTATIGN OF THE MINERALDGICAL SOCIETY OF AMERICA AWARD + ACCEPTANCE OF THE MINERALOGICAL SOCIETY OF AMERICA.* AND MEMEERS OF THE MINERALOGICAL SOCIETY OF AMERICA.* ANNUAL MEETING DF THE MINERALOGICAL SCCIETY OF AMERICA.* AND COMMITTEES OF THE MINERALEGICAL SOCIETY OF AMERICA.* AND BY-LAWS OF THE MINERALOGICAL STUDY OF STRIPED PYROXIENE IN SYENITE ROCKS + MINERALOGY OF A LONED REPLACEMENT BCDY FROM THE BLUE MOUNT+ MINERALOGY DF •RARE ELEMENTS AND GENETIC + GEOCHEMISTRY AND MINERALOGY OF THE RUTHERFORD PEGMA / / I. GEDLGGY AND MINERALUGY OF THE RUTHERFORD PEGMATITES, AMELI+GEOLOGY ANC MINERALOCY.* PHYSICAL METHODS IN DETERMINATIVE MINERALS AND THE NATURE GF SOLID BETWEEN CCEXISTING MINERALS EY ATOMIC ABSORPTION SPECTR IN SILICATE ROCKS AND MINERALS EY SMALL-ANGLE X-RAY SCATTERING.+THE STUDY OF CLAY MINERALS FRCM CHLGRITES.* + FCR DIFFERENTIATION OF KACLIN MINERALS. A CORRECTION. * IIS RELATION TO THE NATURAL SILICA MINERALS. II. THE CRYSTAL STRUCTURE MINERALS. SPLITTING AND FREQUENCY MINERALS.* MANGANESE ARSENATE
SPECTRA OF PHOSPHATE UNNAMED PALLADIUM MINERALS.* MAGNETIC MCMENT DF FE2+ IN PARAMAGNETIC HINERALS ** + ON INDENTATION MICRO HARDNESS ANISOTROPY IA MINERALS. THE THERMAL EXPANSION OF THE LEUCITE GROUP OF MINERALS + SOLUBILITY STUDIES OF HIGH - ALUMINA AND CLAY MINERALS.* OF DIVALENT ORGANIC CATIONS BY LAYER - SILICATE MINERALS, PROCEEDINGS OF THE FCURTEENTH NATI+CLAYS AND CLAY MINERALS, ROCKS, AND INORGANIC MATERIALS, VOL 1 , MMPHIBOLE+ MINERALY, SPRAVCCHNIK, TOM II, VYP 3. COMPLEX OXIDES, IITA+ MINERAUX ARGILEUX.*

LA CLASSIFICATION DES MINING DISTRICT, NEW YORK.* $\quad$ AMPHIBDLES FROM GCUYERNEUR MIOCENE VCLCANICS FROM THE WESTERN PHENOCRYSTS IN MIXING PRCPERTIES OF SANIDINE CRYSTALLINE SOLUTIONS.II. + MIXING PRCPERTIES OF SANIDINE CRYSTALLINE SOLUTIONS. I. + MN2(OH)(ASO4).* + I. THE CRYSTAL STRUCTURE OF EVEITE, MODAL ANALYSIS OF A COARSE - GRAIN // OF VARIANCE IN THE MOOELS OF FRAMEWORK TETRAHEDRA.* CRYSTAL STRUCTURE MOMENT OF FE2+ IN PARAMAGNETIC MINERALS.* MAGNETIC

N531752
N531U54 A531899 N530346 N532075 A530269 N531C56 A531918 N531770 N530339 A531724 N530319 B530352A A530722 B5321C8B B532108B N53174C A530145 A531304 A531799 A531433 A531815 A531075 A530 717 A531081 A530373 B530512 8531785 P530531 P530533 P530647 P5 30623 P531789 P530643 A530464 N531048 8531067 A530373 N5321C2 R531783B A530.994 A5 30283 A531015 N530334 N531062 A530733 N531740 M5 31063 A A5304C6 A531899 A531476 A53C929 A530478 B5303538 8531782 8530513 B530353A A530751 A530954 A532000 A531965 A531841 A532036 N531738 A530406


ULIVINE ARD PYREXENE IN THE NI－MG－SI－＋IHE STABILITY OF OLIVINES．＊CRYSTAL STRUCIURES GF NATURAL CMPHACITES．＊CRYSTAL－CHEMICAL CHARACIERIZATIOA OF ONTARID．＊FROM THE GRENVILLE SERIES UF THE GANANOGUE AREA CNTARIO．＊+ ELUE MCLNTAIN LITCHFIELDITE，PETERBOROUGH CUUNTY， CPERATE TC LIUJ OEG．C AT 3 KILCBA／／PRESSURE VESSELS TC UPTIC ANGLE DETERMINEO CCNOSCOPICALLY ON THE SPINDLE STAGE 4 OPIIG ANGLE UETERMINED CONOSCOPICALLY ON THE SPINDLE STAGE\＆ OPIIC DIRECIIONS．＊＋CLEAVELANDITE，ANU THE SIGNS OF ITS OPTICAL AESCRPTIGN SPECTRA CF TCURMALINE，＋JHE POLARIZED OPTICAL SILDIES OF THE REACTION KINETIC AND ELECTRON CPTICAL SILC＇＇OF ALKALI FELOSPAR．I．DETERMINATIO＋X－RAY AND CPIICAL SILDY OF ALKALI FELOSPAR．II．AN X－RAY＋X－RAY AND OQUCSSCC $A R E A S$ ，MAINE．＋AFTER STAUROLITE IN THE RANGELY－ CRDER－DISCROER IN MGAL204．THE SYSIEMS．MGAL 204 －LIALSO＋ CRDER－DISCROER RELATICNSHIPS GF PLAGIOCLASE IN A PORPHYR＋ DRCEREC STRUCTURE＊＊＊STUDY OF SGIL ALLOPHANE WITH AN CRE NICRCSCOPY．＊
ORES FRO＊THE CCOLAC SERPENTINE BELT，NEW＋ALTERED CHRCME CRGANIC CATIGNS BY LAYER－SILICATE／／DSORPIIUN OF DIVALENT ORGANIC STUDIES XIV）．＊$\quad$ MIXTURES BY MCNTMORILLUNITES（CLAY－ GRIGIN IF ANTIPERIHITES FROM SOME CHARNOCKITIC RECKS IN TTHE ORIGIN OF SOME ECLUGITE INCLUSICNS IN KIMBERLITE．＊
CRTHUCLASE．＊+ ADULARIA ANC A REFINEMENT OF THE STRUCTURE OF CTTC CHARLES VON SCHLICHTEN．＊ MEMORIAL EF GXICES，TLTANATES，NIOBATES，TANTA／／IM II，VYP 3．COMPLEX DXYAPATITES．＊ CXYCHLCRILE．＊ SILICATE APATITES AND CXYCHLCRIEE．＊UNNAMED ANTIMONY PAIR．＊+ －ITC AND TYRETSKITE，A STRUCTURAL
PALLADIUM MINERALS＊＊
UNNAMED
PALYGORSKIIE FRGM ATLANTIC DEEP SEA SEDIMENTS．＊
PANETHITE．＊
PARADOX EASIN，GRAND COUNTY，UTAH．＊BORATE MINERAL FROM THE PARAGONITE．＊

CN THE RELATIVE SCARCITY OF
PARAMAGNETIC MIAERALS．＊MAGNETIC MCMENT OF FEZ＊IN PARRY，EAST GREENLAND．＊
PARTICLES SMALLER THAN 3v MICRONS
BYTCWNITE FROM CAPE AND PCL ISHING PASCO．PERL＊＊CCPPER ZCNING IN PYRITE FRCM CERRO DE PATTERNS FER FIVE PLAGICCLASES．＊CALCULATED PCWCER PATTERNS CF LOWER SYMMETRY USING DE／／TO INDEXING PGWDER PAIIERSCN．＊NEMORIAL CF ARTHUR LINDC PAULING．PRESENTATION DF THE RUEBLING MEDAL TO LINUS PB5（ASO4）ECL）．＊$\quad+$ OF PO4／3－FOR ASO4／3－IN MIMETITE PEGNATITES，AMELIA，VIRGINIA．＊＋MINERALOGY OF THE RUTHERFCRC PEGMATITIES，AMELIA，VIRGINIA．A／／JJF THE RUTHERFCRD PENDLETCNITE．A CCRRECTICN．＊
PENINSULA，CULOMBIA，SOUTH AMERICA．＊Z ROCK FRUM THE GUAJIKA PENNSYLVAAIAN），SOUTHEASTERN KANSAS．FORMATIOA（MIDDLE

PENTTI ESKCLA．＊
PERCIVAL CEVEREUX GRAHAM．＊ PERCY DUDGECN QUENSEL．＊
PERIDOTITE，WYOMINGITE．AND ASSOCIATED POTASSIC MEMCRIAL OF PERIUDICITY IN HEATED GIBBSITE．＊MAXIMUM DUE TO TEXTLRAL PERRIERITE，CHEVKINITE，ANO ALLANITE IN UPPER CENOZOIC ASHA PERL．＊

COPPER LGNING IN PYRITE FROM CERRO DE PASCO，
PETER ZCDAC．＊ MEMORIAL OF PETERBORCLGH CCUNIY，GNTARIO．＊+ BLUE MCUNTAIN LITCFFIELDITE， PETROGENESIS OF ULTRABASIC AND BASIC INCLUSIONS IN ALKALI + PETROGRAPHIC DICTIUNARY．＊RUSSIAN－ENGLISH PETRCGKAPFIC MICRDSCQPE．$\ddagger$ A LUNAR AND PLANETARY PHASE OIACRAMS BY MEANS OF DISCRIM／／／BOUNCARIES IN SIMPLE PHASE EQUILIBRIA IN CHARNECKITES，VARBERG＋CIEMICAL STUDY OF phase relaticns and mineral assemblages in the copper－＋ PHASES IA THE SYSTEM AG－TE．\＃

NEW UATA OA NATURAL PHENOCKYSTS IN MICCENE VCLCANICS ZONING OF PLAGIOCLASE

A530257
A530807
A53C840
A531386
N531048
N531765
A530269
A530278
A531568
A531174
A5 31,917
A530．038
A530c88
A531368
A53145t
A530908
N530319
8530352A
A530162
A530478
A531232
A531696
A531347
A530025
P530599
8530513
4530890 M530351C N532C64 M531C63A A530975 M5305t9A A531081 A530963 A53し4í6 N531759 N531C56 N531748 A5317CG A532047 P53C576 P530．521 N531740 A530373 N5321し2 N531061 A53132\％ A530722 P534544 P520551 P536590 N531く41 N531）33 A531558 A531748 P53：619 N531．48 A53u241 B531784A A531724 A530359 A531674 A53C145 A531513 A530954

PHCSPHATE MINERALS. SPLITTING ANO
INFRARED SPECTRA OF PHOSPHATE DF ALLMINLM.* + A AEW HYDRATED BASIC SULFATE PHOSPHATES.* SCANOIUM COATENT OF SUME ALUMINUM PHYSICAL - CHEMICAL MECHANICS CF SOILS, CLAYS, AND BUILDIN+ PHYSICAL METHODS IN DETERMINATIVE MINERALOGY.*
PHYSICAL FRCPERTIES OF SYNTHETIC LEP IDOLITES.*
PHYSICS.* + NEW SERIES, GRUUP 3. CRYSTAL AND SOLID STATE PINE POINT, NORTHLEST IERRITORIES, $\boldsymbol{\prime}^{\prime \prime}$ WITH IRCA CONTENT, PIPES- SECONDARY ALTERATION IN ECLOGITES FKOM KIMBERLITE PLACIOCLASE IN A PORPHYRITIC BASALT RELATIUNSHIPS OF PLAGIOCLASE IN SUPERCRITICAL WATER.* IFFERENTIAL SCLUTION OF PLAGIOCLASE PHENOCRYSTS IA MICCENE CONVOLUTE ZCNING CF PLAGIOCLASE.* REVISED DI SPERSION METHCD FOR LOW PLAGIOCLASES FRGM THE LOWER PART $0 / /$ D STRUCTURAL STATE OF PLAGIOCLASES.* CALCULATEI POWDER PATTERNS FOR FIVE planetary petrcgraphic micresccpe.* A LUNAR AND PLAYFAIRITE**
PLECCHROISIM.*+FERRIC ELECTRONIC INTERACTICA AS A SOURCE OF PLUMALSITE**
PLUMBOZINGCCALCITE.*
PLUVIAL MCUND LAKE, LYNN AND TERRY C GUNTIES, +SEPIOLITE FROM PQIAT, NCFIHLEST TERRITCRIES, CANA// TH IRON CCNTENT, PINE POLARIZED UPTICAL ABSORPTION SPECTRA CF TUURMALINE, + THE POLISHED IHIN SECTIGNS.*
PJLISHING PARTICLES SMALLER THAN 30
PREPARATION CF
POLYMORPHISN OF CELSIAN.*+SYSTEN BAO SECTICNING AND POLYMCRPHSI. $\boldsymbol{H}$ CHEMICAI CIFFERENCES - AL2O3 - SIO2. I. THE PGRCUS MATERIALS FOR THIN - SECTIGN EPOXY IMPREGAATICA OF PORPHYRITIC BASALT FLOW.* +RELATIONSHIPS OF PLAGICCLASE IN A PCSTEL.*

MEMCRIAL OF ALBERT WILLIAMS

## POIFSSIC IGNEOUS ROCKS IN NORTHEAS//

AND ASSOCIATED
POTASSIUM - BEARING APATITE.* SUBSTITUTIONS IN APATITE.I. POTASSIUM CRYPTOMELANE FROM TARAPACA PROVINCE, CHILE+HIGH POUCHITE. A NEW TELLURITE MINERAL FROM MEXICO AND HCNDURAS + PUWLER CENSITY MEASLREMENT BY HYOROSTATIC WEIGHING.*
POWDER PATTERNS FGR FIVE PLAGIOCLASES.* CALCULATEU
POWCER PAIIERNS OF LCWER SYMMETRY APPRDACH TU INDEXING PO4/3 - FCR ASO4/3-1N MIMETITE WITH SUBSTITUTION OF PRECAMBRION.* + SOME CHARNOCKITIC ROCKS IN THE NEW JERSEY PRECIPITATION ANO GENESIS OF SEPIOLITE AT EART +EXPERIMENTAL PRECISION AND CCMPONENTS OF VARIANCE IN THE MODAL ANALYSIS + PREPARATICN CF POLISHED THIN SECTIONS.*
PREPARATICN CF THIN FILM SECTIONS.*
PRESENGE CF TITANIUM.* + ANALYSIS OF VANADIUM IN THE PRESENTATION OF THE MINERALOGICAL SCCIETY OF AMERICA AWARD+ PRESENTATICN OF THE ROEBLING MEDAL TO LINUS PAULING.*
PRESSURE - TEMPERATURE STUDIES CF ANATASE, BRUOKITE, RUTIL+ PRESSURE CEPENDENCE OF THE INFRARED ABSORPTION UF CALCITE.* PRESSURE EPCXY IMPREGNATION OF POROUS MATERIALS FOR + HIGH PRESSURE IN AQUEULS SOLUTION.*+A FUNGTION OF CARBON DIOXICE PRESSURE YO 7 KILCBARS. + INDEX OF DIAMOND WITH HYDROSTATIC PRESSURE VESSELS TO CPERATE TO 110 O OEG. + IMPROVEC COLD SEAL PRIACIPLES,* + PATIERNS OF LOWER SYMMETRY USING DE WOLFF'S PRISM FACES OF SYATHETIC QUARTZ.* HILLDCKS ON FIRST-OREER PROCEEOINES OF THE FERTY-EIGHTH ANNUAL MEETING DF THE MINE+ PROCEECINGS GF THE FQURTEENTH MATI /// AND CLAY MINERALS, PRECESSES BETWEEN KAOLINITE AND SIUDIES OF THE REACTION PROCUCT FRCM MANSARP AND TABERG, // AND THEIR ALTERATION PROGRACE MUSCOVITE PSEUDCMORPHS AFTER STAUROLITE IN THE + PROPERTIES CF FERTILIZER COMPOUNDS.* CRYSTALLCGRAPHIC PROPERTIES CF SANIDINE CRYSTALLINE SULUTIDNS. II. + MIXING PROPERTIES CF SANIOINE GRYSTALLINE SULUTIONS. I . * MIXING PROPERTIES CF SYNTHETIC LEPIDULIIES.* PHYSICAL PROPCRTIOAALITY OF QUARTZ IN MYRMEKITE.* PHYSICAL PROVINCE, CHI-E.* + - POTASSIUM CRYPTOMELANE FROM TARAPACA

N53174C
A530061
A531223
85310698
B531783日
4531490
B531068
A531523
A531336
A530968
A5316C3
A5 30954
A5301C5
A530116
A5317C9
A531724
M5 31424 A
A531174 M5303490 M531776 4536984 A531523 A531174 A532070 N531056 A530134 A5302c1 N5 30339 A53C968 P5 30586 N531.41 A530432 A531551 A531C75 A531413 A5317: 9 A532C47 N53174C 4531696 A531645 A532036 A532070 N5 31773 N53177 P530531 P530521 A531929 A531916 N530339 A531252 N531464 N5317E5 4532047 A530825 P5 3662 B5303538 A530917 A531918 A511368 8531784 B A5320CO A531965 A531490 N531411 A531551

PRCZESSE．＊
PSEUOOMORPHS AFTER STAURCLITE IN PUMPELLYITE＊SOME EXPERIMENTAL DATA ON PURIFIED TRIOYMIIE．DISCUSSION．＊THE THERMAL STABILITY OF PURIFIED TRIDYMITE．REPLY．＊
PYRITE FRCM CERRO DE PASCD．PERU．＊ PYRITE SERIES．＊
PYRCXENE IN SYENITE ROCKS OF SIVAMAL
PYRCXENE IN THE NI－MG－SI－0／／
PYRPHOTITES＊THE ATTICE PARAMETERS AND QUARTZ－CCRUNDUM STABILITY．＊ QUARTZ IN MYRMEKITE＊＊

ABRISS DER METASUMATISCHEM PROGRADE MUSCOVITE THE THERMAL STABILITY OF COPPER ZONING IN THE COBALTIFEROUS STUOY DF STRIPED OF OLIVINE AND THE PRDBLEM OF HILI OCKS ON FIRST OROER PRISM FACES OF SYNTHETIC QUENSEL．＊MEMORIAL OF PERCY DUDGEON RANGELY－OQUOSSOC AREAS，MAINE。＊AFTER STAUROLITE IN THE RAPHISIDERITE（ $=$ HEMATITE）＊
RAPIC DETERMINATION DF ALUMINA AND SILICA IN＋THE DIRECT AND RARE ELEMENTS AND GENETIC TYPES OF／／／AND MINERALOGY OF RARE ELEMENTS＊OF THEIR DEPOSITS VOL I．GEGCHEMISTRY OF RARE－EARTH BORATE MINERAL FROM THE A NEW HYDRDUS CALCIUM REACTION FROCESSES BETWEEN KAOLINI／／PTICAL STUDIES OF THE RECCGNITICN．CORRECTION．＊ MINERAL RED BERYL FROM UTAH．＊ AN EXAMINATION OF REEF，HITWATERSRAND SYSTEM•＊＋ALTERED BORDERS FROM THE BASAL REFINEO UNIT－CELL PARAMETERS AND STRUCTURAL STATE FROM REFINEMEAT AND COMPARISON OF THE STRUCTURES OF LOISITE AND＋ REFINEMENT OF THE STRUCTURE OF HEULANDITE＋DETERMINATION AND REFINEMENT OF THE STRUCTURE OF ORT／／OF AN ADULARIA AND A REFLECTIONS．＊कSTATE FROM MEASUREMENT OF $2 V$ VALUES FOR THREE REFLECTIVITY AND MICRCINDENTATICN HARDNESS OF FERROSELITE＊ REFRACTIVE INDEX OF DIAMOND WITH HYOROSTAT\＆VARIATION OF THE REFRACTIVE INDEX OF EXPERIHENTALLY HYDRATED RHYOLITE \＆THE REGULARLY IATERSTRATIFIED CLAY。 DATA ON A FRACTICNATEC RELATIVE SCARCITY OF PARAGONIYE．＊ RENAMED MELANOSTIBITE，MANGANOSTIB／／AND LAMPROSTIBIAN RENIEAITE，GERMANITE，COLUSITE， IDAITE，BRIARTITE， REPLACEMENT BODY FROM THE BLUE MOUNT MINERALOGY OF A ZONED RETLIAN．HEMAFIBRIIE，SYNADELPHITE，ARSENOCLASITE，ARSENIOH REVISEO CHEMICAL FORMULA．＊

JOHACHIDOLITE，A REVISED DISPERSION METHOD FOR LOH PLAGIOCLASE． REZBANYITE＊＊LINDSTROMITE，HAMMARITE，GLADITE， RHODES．＊ AUTHIGENIC ALBITE FROM RHYOLITE GLASS．＊INDEX OF EXPERIMENTALLY HYORATED RICH MICAS FROM STERLING MILL．NEN JERSEY．＊ RICHARO PERCIVAL DEVEREUX GRAHAM．＊ RICKARD WAGER．＊ MEMORIAL RINGWOOD．＊＋SOCIETY OF AMERICA ANARD FOR 1967 TO ALFRED E RODALQUILARITE．＊
ROEBLING MEDAL TO LINUS PAULING．PRESENTATIGN OF THE ROEBLING MEDAL．＊
ROTATION METHOD．＊ RUDCLPH GRAWE．＊ RUSSELL．＊

HE SPINDLE STA －MEMORIAL OF SIR ARTHUR RUTHERFORC PEGMATITES．AMELIA，VIR．／／AND MINERALOGY OF THE RUTHERFORD PEGMATITIES．AMELIA．ANO MINERALOGY OF THE RUTILE ANO TIO2－II．＊+ STUDIES OF ANATASE，BROOKITE； S ENSTATITE CHONDRITES，＊＋FROM THE KOTA－KOTA AND ST．MARK＊ 5 MOUNTAIA．NORTH CAROLINA．＊$\quad+$ AND BIKITAITE FROM KING＊ S PRINCIPLES．＊＊PATIERNS DF LOWER SYMAETRY USING DE WOLFF： SAFFLDRITE－LOELLINGITE SOLID SOLUTION SERIES．＊THE SAKURAIITE。＊
SALTON SEA GEOTHERMAL SYSTEM，CALIFO EPIDOTE FORMED IN TME SANIDINE－HIGH ALBITE SOLID SQLUT：／／－LOH ALBITE AND THE

8530354
A531368
N531038
N53054 1
N5305C4
N531748
N530293
A530464
A530257
A531846
N532092
N531411
4531320
A530825
P530590
4531368
M531066C
A530283
B531067
B531067
A531081
A530917
8530512
A530801
A531543
A530038
A531882
A531120
A530025
4530088
N532075
N531404
N531754
A530472
A530963
M531779C M532106日 N531448 M5317798 N532082 4530105 M530351A A531579 N531754 N531752 P530551 P5306G8 P530531 M532105C P530521 P5 30524 A530278 P530555 P530596 8531784 A A530373 N532102 A531929 N530491 A531202 AS32047 A531856 M531421B A531635
N530346

SANIDINE CRYSTALLINE SOLUTIDNS. I. MIXING PROPERTIES CF SANIDINE CRYSTALLINE SOLUTIONS. II. MIXING PRCPERTIES OF SANJUANITE, A NEW HYDRATED BASIC SULFATE - PHOSPHATE DF + SANTA MONICA MOUNTAINS, CALIFORNIA.*CANICS FROM IHE WESTERN SARMIENTIIE.*
SBC.5/5+FEC.5/3+1 -- (T14+). THE //
SCANDIUM ANALOGUE OF BERYL. ERRATA.*
SCANDIUM ANALOGUE OF BERYL.* NEM DATA OR OF THE TYPE

SYNTHESIS DF THE
SCAADIUM DNALOGUS OF AEGIRINE, SPGDUMENE, +SYNTHESES OF THE
SCANDIUM CONTENT OF SOME ALUMINUM PhOSPHATES.*
SCAPOLITE.* + DETERMINATION OF SULFUR COOROINATION IN SCARCITY CF PARAGGNITE.* ON THE RELATIVE
SCATTERING.* + STUDY OF CLAY minerals by small-angle X-ray SCHAURTEITE.*
SCHLICHTEA.*
SCHNITT.*
memorial of oito charles von
SEA MEMCRIAL OF HARRISON ASMEEY
EEOTHERMAL SYSTEM, CALIFORNIA.* TE FORMED IN THE SALTON
SEA SEDIMENTS.* PALYGORSKITE FROM ATLANTIC DEEP
SEAL PRESSURE VESSELS TO OPERATE TO LIUO DEG.+IMPRCVED COLD SECCNO CCClRRENCE OF MARCKITE.*
SECCNDARY ALTERATION IN ECLOGITES FR GM KIMBERLITE PIPES.*
SECTIONING AND POLISHING PARTICLES TECHNIQUE FOR MOUNTING,
SEDIMENTS.* PALYGORSKITE FROM ATLANTIC DEEP SEA
SELECTIVE ABSORPTION OF N - ALKYL ALCOHOL - BROMIDE MIXTUR +
SENAITE, MAGNETO-PLUMBITE, AND DAVID RELATIONSHIP BETWEEN
SEPIOLITE AT EARTH - SURFACE CONDITI// AND GENESIS OF
SEPIOLITE FROM PLUVIAL MOUND LAKE, LYMN AND TERRY COUNTIESt
SERPENTINE "POLYMCRPHS"* CHEMICAL DIFFERENCES AMONG THE SERPENTINE BELT: NEM SOUTH WALES, DRES FROM THE COOLAC SERPENTINE.* THE CRYSTAL STRUCTURE OF A HEXAGONAL AL SERPENTINITE ROCK OISSOLUTION AS A FUNCTION OF CARBON DIOX SERPENTINIZATION ANO RELATED METASUMATISM.* COMMENTS ON SI - O SYSTEM.* + OF OLIVINE AND PYROXENE IN THE NI - MG SIGAS OF ITS QPTIC OIRECTIONS.* CLEAVELANDITE, AND THE SILICA FALJASITES. A SUBSTITUTIONAL SERIES+HIGH - AND LCW SILICA IN SILICATE ROCKS AND MINER.// UF ALUMINA and SILICA MIMERALS. A CORRECIIIN.*+ITS RELATION TO THE NATURAL SILICATE ANO INDIUM HYDROGARNET.*. SYNTMETIC INDIUM SILICATE APATITES AND OXYAPATITES.*
SILICATE MINERALS.** DF DIVALENT ORGANIC CATIONS BY LAYER SILICATE ROCKS AND MINERALS BY ATO // ALUMINA ANO SILICA IN SILICATE.*+ARSENATE, UNNAMED CALCIUM - MAGNESIUM - ANTIMONY SILICATES - NATLRAL AND SYNTHETIC ASBESTOS.* FIBROUS SILICATES.* SYNTHESIS OF SOME LEAD CALCIUM ZINC SIlicates, gageite and harstigite. the manganese - calcium SILICATES, GAGEITE aND HARSTIGITE.* THE MANGANESE - CALCIUM SILICIC RCCKS.* + FAILURE AND THE HYORATION OF GLASSY SILVER SULFOSALT.* BILLINGSLEYITE, A NEW SIMPLE PHASE OIAGRAMS BY MEANS OF FIELD BOUNOARIES IN SINGLE CRYSTALS.*

+ of hexagonal germanium dioxide SIO2 - X AND ITS RELATION TO THE THERMAL EEHAYIOR OF SIO2. I. THE POLYMORPHISM OF CELSIAN SYSTEM BAO - AL203SIR ARTHUR RUSSELL.* MEMORIAL OF SIVAMALAI, SOUTH INDIA.* * PYROXENE IN SYENITE ROCKS OF SLAVIKITE ©
SMALL-ANGLE X-RAY SCATTERING。* + STUDY OF CLAY HINERALS EY SMALLER THAN 30 MICRONS IN DIAMETE //D PQLISHING PARTICLES SOOIUM CAPBCNATE.*\&REACTION PROCESSES BETWEEN KAOLINITE AND SOIL ALLOPHANE WITH AN OROERED STRUC HICROSCOPIC STUOY OF SOILS. CLAYS, and buItoing materials - chemical mechanics of SOLID SOLUTION IN GARNET.* + MINERALS and the Nature of SOLID SOLLTION SERIES. A CORRECTIDN. SANIDINE - HIGH ALBITE SOLIO SOLLTION SERIES.* THE SAFFLORITE - LOELLINGITE SOLID STATE PHYSICS.* + NEW SERIES, GROUP 3. CRYSTAL AND SOLUBILIIY STUOIES OF HIGH - ALUMINA AND CLAY MINER+AQUEDUS

A531965 A5320CC A53ccoc A530954 N532077 A531104 N5321C1 A53C943 A531276 A531223 N5 31735 A530963 A531C 15 M5305C78 P530599 P5306C 4531635 A530975 N531765 N530495 A531336 N531056 A53C975 A531232 A530869 A531645 4536984 A53024 \$530162
A530014
A531252
A531371
A53C 257
A531568
A531293 A53C283 N531062 A531663 A53089G
A530478
A530283 M5314268 8531070 A53C 231 N531418 N530309 N531756 A531791 A530359 A531394 N531c62 A530134 P530596 A530464 M531065B A531015 N5 31056 A53C917 N530319 B5310698 A530994 N530346 4531856 8531068 A530929

SOLLTION IN GARNET.* + MINERALS AND THE NATURE OF SOLID SOLLTICN CF PLAGIOCLASE IN SUPERCRITICAL WATER + OIFFERENTIAL SOLLTION SERIES. A CORRECTION.* - HIGH ALBITE SOLID SOLLTION SERIES.* THE SAFFLORITE - LOELLINGITE SOLIO SOLUTION. *+A FUNCTION OF CARBON DIOXIDE PRESSURE IN AQUEOUS SOLLTIONS. I. CALCULATIONS BASED O // SANIDINE CRYSTALLINE SOLUTIONS. II. CALCULATIONS BASEO // SANIDINE CRYSTALLINE SONCRAITE.* SOREYITE.*
SOURCE OF PLEOCHRCISIM**+FERRIC ELECTRONIC INTERACTION AS A SOUTH AFRICA.*+ LCWER PART OF THE EASTERN BUSHVELD COMPLEX, SOUTH AMERICA.*+ ROCK FROM THE GUAJIRA PENINSULA, COLOMBIA, SOUTH INDIA.* + PYROXENE IN SYENITE ROCKS OF SIVAMALAI, SOUTH WALES, AUSTRALIA.* + FRCM THE BROKEN HILL LODE, NEW SOUTH WALES, AUSTRALIA.* + THE COOLAC SERPENTINE BELT, NEW SOUTHEASTERN KANSAS.* + FORMATION (MIDDLE PENNSYLVANIAN), SPECTRA OF PHOSPHATE MINERALS. SPLITTING ANC FREGU + INFRAREC SPECTRA OF TOURMALINE, CORDIERITE, OPTICAL ABSORPTION SPECTRA. A CCRRECTION.* + - GRUNERITE SERIES BY MOSSBAUER SPECTROGRAPHIC DETERMINATION OF SULFUR COORDINATI+THE X-RAY SPECTROGRAPHY IN GECLOGY.* X-RAY EMISSICN SPECTROSCCPY.* + ROCKS AND MINERALS BY ATOMIC ABSORPTION SPECTRCSCCPY** + EMERALD BY VISIBLE AND INFRARED ABSORPTION SPECTRUM CF BERYL. A CORRECTION.* SPECTRUM CF DAWSONITE.* SPESSARTITE SERIES.* NEAR INFRARED THE INFRARED SYATHESIS DF THE GROSSULARITE SPHALERITE COLOR BANDING. LACK OF CORRELATICN WITH IRON * SPHERULITIC ANDESITE.* DISTRIBUTION OF ELEMENTS IN A SPINDLE SIAGE WITH EASILY CHANGED LIQUID AND IMPROVED CRYS* SPINDLE STAGE. I. MICROMETER OCULA // CONCSCOPICALLY ON THE SPINDLE STAGE. II. SELECTED ROTATI // CONOSCOPICALLY ON THE SPIAEL STABILITY.* STRUCTURAL BASIS OF THE CLIVINE SPINELS ANC THEIR ALTERATION PRCDU // ICROPROBE ANALYSES OF SPLITTING AND FREGUENCY SHIFTS ASS // F PHOSPHATE MINERALS. SPCCUMENE, ANDRADITE AND MELANOTEK // NALQGUES OF AEGIRINE, SPRAVOCHNIK, TOM II, VYP 3. COMPLEX OXIDES, TITAN+MINERALY, ST. MARK'S ENSTATITE CHONDRITES.*+ FROM THE KUTA - KOTA ANE STABILITY OF OLIVINE AND PYROXENE IN THE NI - MG - SI - +THE STABILITY OF PUMPELLYITE,* SCME EXPERIMENTAL DATA ON THE STAEILITY OF PURIFIED TRICYMITE. DISCUSSION.* THE THERMAL STABILITY CF PURIFIED TRICYMITE. REPLY.* THE THERMAL STABILITY.*

THE PROBLEM OF QUARTZ - CORUNDUM STAEILITY.* STRUCTURAL BASIS OF THE OLIVINE - SPINEL STAINING FCR CORDIERITE AND FELDSPARS IN THIN SECTION.* STAINING CF ANORTHOCLASE.*
stanfieldite.*
STAANITE, MAWSONITE, KESTERITE, IDAITE, BRIARTITE, RENIERI* star corundum.* on the gause of asterism in STAUROLITE IN THE RANGELY - OQUCSSOC PSEUODMORPHS AFIER STALROLITE.*

THE CRYSTAL SIRUCTURE OF STELLERITE** STERLING HILL, NEW JERSEY.*

ZINC - RICH MICAS FROM STERRYITE, *
STIBIODUFRENOYSITE (= VEENITE).*
STI8IOLUZCNITE, ENARGITE, GOLDFIELDL STILBITEI.* STILBITEI.* EPIDESMINE $\{=$ STRESS - CORROSION FAILLRE ANO THE HYCRATION OF GLASSY + STRIPED PYROXENE IN SYENITE ROCKS MINERALOGICAL STUDY OF STRCNGLY FCLIATED GNEISSES FROM THE FLATTENED GARNETS IN STRONTIOHILGARDITE - ITC ANO TYRETSKITE, A STRUCTURAL PAIR+ STRUCTURAL BASIS CF THE OLIVINE - SPINEL STABILITY.* STRUCTURAL PAIR.*

- ITC ANO TYRETSKITE, A STRUCTURAL STATE FROM MEASUREMENT THE COMPOSITION AND STRLCTURAL STATE FRCM REFINED UNIT // OF COMPOSITION AND STRUCTURAL STATE OF PLAGIOCLASES FROM THE + COMPOSITION AND

A530994
A5316C3
N530346
A531856
A531252
A531965
A532000
A531828
M531425A
A531174
A53C116
A531320
4530464
A531614
A530162
A530722
A53174C
A531174
N530506
N531735
B530352B
A530283
A530777
N534347 N530365 N531036 A531523 A532025 A531399 A530269 A530278 A531439 A531918 N53174C A531276 B536513 N53C491 A530257 N53 1038 N530501 N530504 N532092 A531439 N530327 N536331 M53C5C8A M532106B N530300 A531368 A531139 M530511B N531752 M531423B M531775C M532106B M531066D N531756 A536464 A531386 N532084 A531439 N532084 A53CC88 A530C38 A530116.

STRUCTURE ANO CATION DISTRIBUTICN OF GLAUCOPHAN+THE CRYSTAL STRUCTURE AND THE CHEMICAL COMPCSITION OF VAUXI+THE CRYSTAL STRUCTURE MCDELS OF FRAMEWORK TETRAH INEXPENSIVE CRYSTAL STRUCTURE OF A HEXAGONAL AL - SERPENTINE.* THE CRYSTAL STRUCTURE OF ALLACTITE.*+ARSENATE MINERALS. II. THE CRYSTAL STRLCTURE OF AN ADULARIA ANO A REFINEMENT OF + THE CRYSTAL STRUCTURE OF AUGELITE.* STRUCTURE OF CHLOROPHCENICITE.* STRLCTURE OF DISORUERED GERSDORFFITE.* THE CRYSTAL THE CRYSTAL THE CRYSTAL STRLCTURE OF EVEITE, MNZ $(C H)(A S C 4)$ *SENATES. I. THE CRYSTAL STRUCTURE OF GRAFTONITE.* STRUCTURE OF HEULANDITE.* STRUCTURE CF MELANOSTIBITE. \% - (TI4+). THE CRYSTAL STRUCTURE OF STAUCLITE ADULARIA AND A REFINEMENT OF THE STRUCTURE OF STAUROLITE.* STRUCTURE OF WALSTRCMITE.* THE CRYSTAL STRUCTURE.* + STUDY OF SOIL ALLOPHANE THE CRYSTAL STRUCTURE, *+DISTR + SUTLD OF SOIL ALLOPHANE WITH AN ORDERED STRUCTURES CF NATURAL OLIVINES CATIONS IN THE CRCCIDOLITE STRUCTURES CF NATURAL OLIVINES.* CRYSTAL STRUCTURES CF LCISITE AND CLINCZOI // ANO COMPARISCN OF THE STRUCTURES.* + VOLUME III. THE DETERMINATION OF CRYSTAL SUBSOLIDUS RELATICNS ON THE OQLCMITE JOIN, CAMGICO3IZ
SUBSTITUTICN OF PG4/3 - FOR ASO4/3 // HIFTS ASSOCIATED WITH SUBSTITUTICNAL SERIES.* + - AND LOW. - SILICA FAUJASITES. A SUBSTITUTIONS IN APATITE. I. POTASSIUM - BEARING APATITE.* SUBSTITUTIONS IN APATITE. II. LOW TEMPERATURE FLUORIDE - + SUBSIITUTICNS OF THE TYPE (SBO.5/5+FEL.5/3+) -- (TI4+). + SUKLLAITE.*
SULFATE - PhCSPhate of aluminum.* a NEW hyorated basic SULFOSALT.* BILLINGSLEYITE, A NEW SILVER SULFUR CCCRDINATION IN SCAPOLITE.* determination of SULFUR SYSTEM.* + MINERAL ASSEMBLAGES IN THE COPPER - LEAD SUCLUNITE.*
SUPERCRITICAL WATER.* + SOLUTION OF PLAGIOCLASE IN SUPERSTRUCTURES OF PYRRHCTITES.*+THE LATTICE PARAMETERS AND SURFACE CCNDITIUNS. + AND GENESIS OF SEPICLITE AT EARTR SWEDEN.* + OF PHASE EQUILIBRIA IN CHARNOCKITES, VARBERG, SWEDEN. क+ THEIR ALTERATICA PROCUCT FROM MANSARP AND TABERG, SYENITE RCCKS UF SIVAMALAI, SUUTH // F STRIPED PYROXENE IN SYMMETRY LSING DE WCLFF'S PRINCIPLES// PATTERNS OF LOWER SYMPOSIUN * + OF SCILS, CLAYS, AND BUILDING MATERIALS - A SYNADELPHITE, ARSENCCLASITE, ARSENIC RETLIAN, HEMAFIBRITE, SYNTHESES CF THE SCANDIUM ANALOGUES DF AEGIRINE, SPODUMENE* SYNTHESIS AND STUDY OF YTTRIALITE.*
SYNTHESIS CF SGME LEAD CALCIUM ZING SILICATES.*
SYNTHESIS DF THE EERZELIIIE CAZNAMG ZAS 3012 - mangamese * Synthesis df the gressularite - spessartite series.* SYNTHESIS OF THE SCANDIUM ANALOGUE CF BERYL.* SYNTHESIS CF THE SCANDIGM ANALGGUE CF BERYL. ERRATA.* SYNTHETIC ASBESTOS.* FIBROUS SILICATES - NATURAL AND SYNTHETIC INOIUM SILICATE AND INDIUM HYDROGARNET.*
SYNTHETIC LEPIDCLITES.* PHYSICAL PRCPERTIES OF SYNTHETIC GUARTZ.* HILLOCKS CN FIRST-ORDER PRISM FACES OF SYNTHETIC TRECHMANNITE.*
SYSTEM AG - TE.*
new data cn natural phases in the
SYSTEM AG3ALS2 - AG2S.* THE SYSTEM BAO - AL2O3 - SIO2. I. THE POLYMORPHI+STUOIES IN THE SYSTEM.* + OF GLIVINE AND PYRCXENE IN THE NI - MG - SI - o SYSTEM.*+ MINERAL ASSEMBLAGES IN THE COPPER - LEAD - SULFUR SYSTEM. * +ALTEREC BORDERS FROM THE BASAL REEF, WITWATERSRAND SYSTEM, CALIFORNIA.* + FCRNED IN THE SALTON SEA GEOTHERMAL SYSTEMATIC APPRCACH TO INDEXING POWDER PATTERNS OF LOWER +A SYSTEMS. MGAL204 - LIAL508, MGAL204// IN MGAL2O4. THE TABERG, SHEDEN.*+ THEIR ALTERATION PRODUCT FROM MANSARP AND TALC ANO ASSOC IATED AMPHIBOLES FROM GCUVERNEUR + TRICLINIC

A53115t
N531025
N531738 A5 30014 A530733 A530C 25 A531096 A531110 N53C290 A531841 4530742 A531120 A531104 A530C25 A531139 A530UES N530319 A53c.770 A53C8C7 4531882 B532108A A53088C N53174C A531293 A530432 A531953 A531104 M5321C4C A530C01 A531791 N531735 A536145 M5 3c. 349 B A5316L 3 A531846 A531645 A531674 A531918 A530464 A5326:47 B531.69B M531779B A531276 A531940 A5 3 ! 231 N53C316 N531036 A530943 N5321C1 8531070 4531663 A531490 A53c. 825 A531268 A531513 N5 36496 A53C134 A536257 4530145 A531543 A531635 A532047 A531456
A531918
A536751

TANTALATES, ANTIMCNATES, HYDROXIDES.// TITANATES, NICBATES, TARAPACA FROVINCE, CHILE.* + - POTASSIUM CRYPTOMELANE FROM TE.* NEW DATA OA NATURAL PHASES IN THE SYSTEM AG TELLURIDE** UNNAMED LEAD - BISMUTH TELLURITE MINERAL FROM MEXICO AND HONDURAS.+PQUGHITE, A NEW TEMPERATURE FLUCRIDE - HYDROXYL IN APATITE. II. LCW TEMPERATURE STUDIES OF ANATASE, BROCKITE, RUTILE + PRESSURE TEMPLE MCLATAIN, UTAH.* META-ALUMINITE, A NEW MINERAL FROM TERRITORIES, CAMADA.* + IRON CCATENT, PINE POINT, NORTHWEST TERRY COLNTIES, TEXAS.* + FROM PLUVI AL MOUND LAKE, LYNN AND TERUGGITE, 4CAO.MGO.6B2C3.AS205.18H20, A NEW MINERAL FRCM + TETRAHEDRA.*

+ CRYSTAL STRUCTURE MODELS OF FRAMEWORK TETRAHYORATE. A DISCUSSION.* + ALUMINUM CARBONATE HYOROXIDE TETRAHYDRATE. A REPLY.* + ALUMI NUM CARBONATE FYDROXIDE TEXAS.* + FROM PLUVIAL MCUND LAKE, LYAN AND TERRY COUNTIES, TEXTURAL PERIODICITY IN HEATED GIB // MAXIMUM DUE TO THAN 30 MICRONS IN DIAMETER * * POLISHING PARTICLES SMALLER THERMAL BEHAVIOR CF SIO2-x ANO ITS RELATION TO THE NATUR + THERMAL EXPANSICN OF THE LEUCITE GRCUP OF MINERALS.* THE THERMAL STABILITY OF PURIFIED TRIDYMITE. DISCUSSION.* THE THERMAL STABILITY OF PURIFIED TRIDYMITE. REPLY.* THE THE
THERMOCHEMISTRY OF JADEITE.* THERMOCHEMISTRY OF JADEITE.*
THERMODYNAMICS CF THE DISORDER ING PROCESS IN ALBITE.*
THIN - SECTION AND MICROPROBE ANAL // PORQUS MATERIALS FOR THIN FILM SECTICNS.* THIN SECTION.* STAINING FOR CORDIERITE AND FELDSPARS IN THIN SECTIONS.* PREPARATION OF POLISHED THREE REFLECTIONS.*+STATE FROM MEASUREMENT OF $2 V$ VALUES FOR TIEASHANITE.*
TICZ - II.* + STUDIES OF ANATASE, BRCOKITE, RUTILE AND TITANATES, NIOBATES, TANTALATES, // YP 3. COMPLEX OXIDES, TITANIUM.* + ANALYSIS OF VANADIUM IN THE PRESENCE OF TI4*). THE CRYSTAL STRUCTURE OF // (SBO. $5 / 5+F E O .5 / 3+1$ TIOM II, VYP 3. COMPLEX OXIDES, TITAN MINERALY, SPRAVOCHNIK, TOTAL IRCN IN TRIOCTAHEDRAL MICAS.* OR THE DETERMINATION OF TOURKALIAE, CORDIERITE, CHLORITCID ABSORPIION SPECTRA OF TRANSFORMATION OF ARAGONITE TO CALCITE UNDER HYDROTHERMAL + TRANSFORMAIION OF VATERITE TO CALCITE DURING GRINDING.*


## TRECHMANNITE.*

TRICLINIC TALC AND ASSOCIATED AMPHIBOLES FROM GOUYERTHETIC
TRICYMITE. DISCUSSION.* THE THERMAL STABILITY OF PURIFIED TR IDYMITE. REPLY* * THE THERMAL STABILITY OF PURIFIED TRINITY CCUNTY, CALIFCRNIA.* THAGADIITE FROM TRIOCTAHECRAL MICAS.* * THE DETERMINATION GF TOTAL IRON IN TRUSCOTTIIE.*
TUFFS OF THE GREEN RIVER FORMATION ANALCIME COMPOSITION IN TUNDRITE -- (ND).* TUNDRITE, TUNDRITE, TUNORITE -- (ND) 。*
TWINNING. A DISCUSSION. ${ }^{\text {F }}+$ IN THE GENESIS GF GROWTM TWINNING. A REPRY.* + CONSIDERATICNS IN THE GENESIS OF GROWTH TWINNITE.*
TYRETSKITE, A STRUCTURAL PAIR.*
ULTRABASIC AND BASIC INCLUSIONS IN - ITC AND
UNDER HYOROTHERMAI CONDITIONS. IN ALKALI + PETROGENESIS OF UNITED STATES.* + IN UPPER CENOZOIC ASH ARAGGNITE TO CALCITE
UNNAMED ARTIMONY OXYCHLORIDE.*
UNNAMED CALCIUM - MAGNESIUM - ANTI $A /$ MANGANESE ARSENATE,
UNNAMED K - ANALOGUE OF ANALCIME.*
UNNAMED LEAD - BISMUTH TELLURIDE.*
UNNAMED MANGANESE ARSENATE, UNNAMED CALCIUM - MAGNESIUM - +
UNNAMED MCNOCLINIC CHLORAPATITE.*
UNNAMED MCNOCLINIC DIMORPH OF ILVAITE.*
UNNAMED PALLADIUM MINERALS.*
UNNAMED YTTRIUM ARSENATE。*
UPPER CENCZOIC ASH beos in the kes // and allanite in

8530513
A531551
A531513
M531421A
A531:75
A531953
A531929
A530717
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N531738
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A530984
N531033
N531056
N531662
A531476
N530501
N530564
A531281
A530123
N530339
N531773
N53C327
A532070
A530C88
M531426A
A531929
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A531104
8530513
N531054
A531174 N530295
N5 32089
A531208
A530751
N530501
N 530504
A532062
N531054
M530511C
A530184
M531780A
M53178CA
N5 30342
N536344
M5314248
N5 32084
\$530241
N530295
1531558
M530351C
M5314268
M5317778
M531421A
M5314268
H531425C
M532105A
M531063A
M530349A
A531558

UREYITE.*
UTAH.* UTAH.* + ASSOCIATED POTASSIC IGNEDUS ROCKS IN NORTHEASTERN UTAF. $\Rightarrow$ META-ALUMINITE, A NEW MINERAL FROM TEMPLE MCUNTAIN, UTAH.*\&BORATE MINERAL FRCM THE PARADOX BASIN, GRAND COUNTY, VALUES FOR THREE REFLECTIONS.*+STATE FROM MEASUREMENT OF $2 V$ VANAOIUM IN THE PRESENCE OF TITANIUM MICROPROBE ANALYSIS OF VAREERG, SWEDEN.* + OF PHASE EQUILIBRIA IN CHARNOCKITES, VARIANCE IN THE MODAL ANALYSIS OF // AND COMPCNENTS OF VARYING METAMORPHIC GRADE ** + AND CLINOPYROXENE IN ROCKS OF VATERITE TO CALCITE DURING GRINDING.* TRANSFCRMATION OF VAUXITE,* + CRYSTAL STRUCTURE ANC THE CHEMICAL COMPOSITIICN OF VEENITE.*
VEEA ITE). 4 VESSELS TC OPERATE TO IIOOU STIBIOUUFRNOYSITE $=$ VIRGINIA. A DISCUSSION. * + RUTHERFCRD PEGMATITIES, AMELIA, VIRGINIA. ++ MINERALOGY OF THE RUTHERFORD PEGMATITES, AMELIA, VISIBLE AND INFRARED ABSORPTION OF BERYL AND EMERALD BY VIVIANITE. FERROUS - FERRIC ELECTR // CHLCRITCID ANC VOLCANIC FORMATION AT KAKANUI, NEW // MEMBER OF THE DEBORAH VOLCANICS FROM THE WESTERA SANTA PHENOCRYSTS IA MIOCENE VOLLME DATA.* + SOLUTIONS. It. CALCULATIONS BASED ON Volume ili. the determination cf the crystalline state. VRBAITE.*
VYP 3. CCRPLEX CXIDES, TITANATES, // SPRAVOCHNIK, TOM II, WAGER.*

MEMORIAL OF LAWRENCE RICKARD WALES, AUSTRALTA.* + FRCM THE BROKEN HILL LOCE, NEW SOUTH WALSTROMITE.* WATER OESCRPTION CN INDENTATION MICA THE CRYSTAL STRUCTURE OF HATER.* + SOLUTION OF PLAGIOCLASE IN SUPERCRITICAL WEICHING. PChDER DENSITY MEA SUREMENT BY HYDROSTATIC WEISS.*
WELINITE.*
hestern santa menica muluntains, // volcanics from the western limited states.* + IN UPPER CENOZOIC ASH beos in the WHEMELLITE.*
WHITLOCKIIE. A CORRECTION.* MORINITE - APATITE WICKENBURGITE, A NEW MINERAL FROM ARIZONA.*
WICKMANITE.*
WILLIAMS FCSTEL.*
MEMORIAL CF ALBERT
WITHATERSRAND SYSTEM.*+ALTEREO BORDERS FROM THE BASAL REEF, WOLFF'S PRINCIPLES.* + PATTERNS OF LOWER SYMMETRY USING DE WYOMING.* + IN TUFFS OF THE GREEN RIVER FORMATION OF WYOMINGITE, AND ASSOCIATEO POTASSIC IGNEUU+MICA PERIDOTITE, $X$-RAY ANALYSIS OF FOSSIL BONE, *+COMPOSITIINAL, INFRARED AND X-RAY AND OPIICAL STUDY CF ALKALI FELDSPAR. II. AN X-RAY + X-RAY ANO CPTICAL STUDY OF ALKALI FELDSPAR. I . DETERMINATI * X-RAY BACKCRGUNO METHCU FOR THE DETERMINATION OF TOTAL + AN $x$-RAY CRYSTALLCGRAPHY.*

ELEMENTS OF
$x \rightarrow$ RAY DATA CN A FRACTIONATEO REGULARLY INTERSTRATIFIED +
X-RAY DIFFRACTION MAXIMUM OUE TC TEXTURAL PERIODI+LOH-ANGLE X-RAY ERISSICN SPECTROGRAPHY IN GEUL OGY. ${ }^{*}$
$x$-RAY METHCO FUR DETERMINING THE // KALI FELDSPAR. II. AN X-RAY SCATTERING. ${ }^{*}+$ STUOY OF CLAY MINERALS BY SMALL-ANGLE $X-R A Y$ SPECTRCGRAPHIC DETERMINATIION CF SULFUR CCORDINATI+THE XIV).*+MIXTLRES HY MONTMCRILLONITES (CLAY - DRGANIC STUDIES YORK.* + AMPHIBOLES FRGM GQUVERNE UR MINING DISTRICT, NEW YTIRIALITE.* YTTRIUM ARSENATE.* ZEALAND.* * CF THE DEBGRAH VILCANIC FCRMATION AT KAKANUNAMEO ZEOLITES.* KACLINITE CRYSTALIIZATIUN FRUM H - EXCHANGED ZINC - RICH MICAS FROM STERLING HILL, NEW JERSEY.*
ZINC SILICATES.*
SYNTHES IS OF SCME LEAO CALCIUM ZIACIAN ANC MANGANIAN AMPHIBOLES FROM FRANKLIN, NEH JERSEY+

M53C511A
A53C8C1
N531041
A530.717
A531081
A530088
N53177C
A531674
A532036
A5320 18
N532089
N531025
M531422A
M531775C
N531765
N532102
A530373
A530.777
A531174
A531304
A530954
A5320CC B532168A M530351B B530513 P53C60 8 A531614 A530162 A530C6 A531899 A5316C3 N531413 P530617 M531064A A530954 A531558 A530455 N531066 A531433 H5310636 P530586
A531543 A532047 A530184 N5316.41 A530445 4530088 A530038 N531u54 8531781 A530472 N531033 B5303528 A53CC88 A531615 N 531735 A531232 A534.751 4531940 M530349A A5313C4 A530216 N531752 A530231 A531264

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ZINCIAN DAUBREELITE FROM THE KCTA - KOTA ANC ST. MARK'S + N53C491
ZNAL2O4.* + - NICR2O4, MGAL2O4 - NIAL2O4, ANC NIAL2O4 -
ZCOAC.* MEMURIAL CF PETER
ZOISITE ANC CLINOLOISITE.*+ COMPARISON OF THE STRUCTURES OF
ZONED REPLACEMENT BODY FROM THE BLUE MOUNTATMINERALOGY OF A
ZONING IN PYRITE FRCM CERRO DE PASCC, PERU.* COPPER
ZONING OF PLAGICGLASE PHENOCRYSIS IN MIOCENE VOLC+CONVOLUTE
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N530491
A531456 P536619
A531882
N531048
N531748
A530954

## STOP WORDS FOR KWIC INDEX

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| (ED) | FACTORS | OTHER | UND |
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| BY | [NTERPRETATION | RESTUDY | VCLS |
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