CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

PRINTED: 11/19/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LAST CHANCE NO. 2

ALTERNATE NAMES:

PINAL COUNTY MILS NUMBER: 612B

LOCATION: TOWNSHIP 8 S RANGE 12 E SECTION 35 QUARTER SE
LATITUDE: N 32DEG 41MIN 20SEC LONGITUDE: W 111DEG 04MIN 13SEC
TOPO MAP NAME: TORTOLITA MTS - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
COPPER OXIDE
SILVER
GOLD LODE

BIBLIOGRAPHY:
ADMMR LAST CHANCE NO. 2 FILE
ADMMR U FILE PINAL CU 37

LAST CHANCE NO. 2

PINAL COUNTY
OWL HEAD DISTRICT
T8S R12E Sec. 35

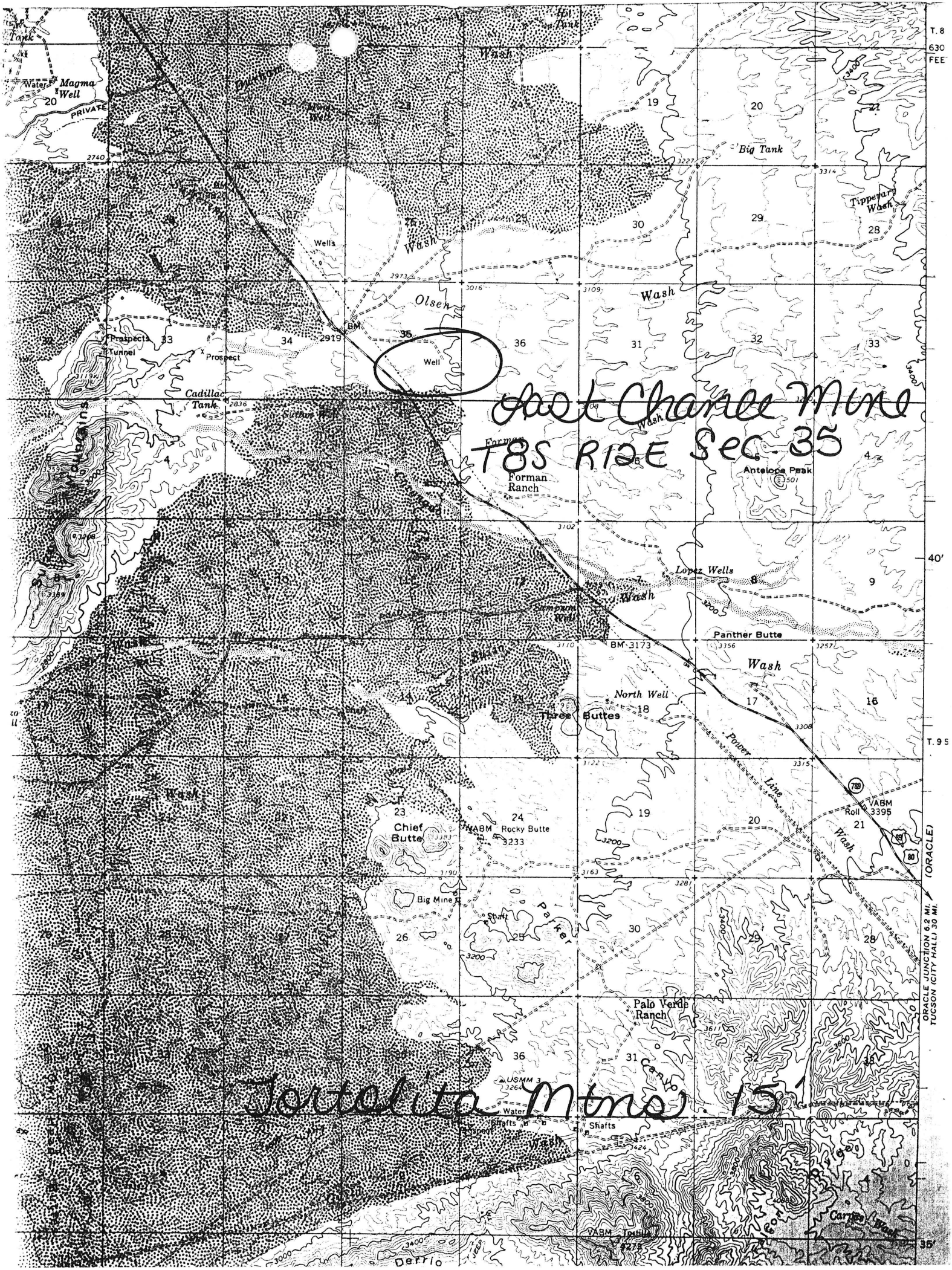
MILS Pinal County Index #612 A,B

AKA: FERGUSON, OWENS, LAST CHANCE MINE

See: Ferguson Copper Properties (file) Pinal Co.

"U" Files

Tortolita Mtns. 15' Topo (included in file)



Last Chance Mine
T8S R12E Sec. 35
Tortolita Mtns. 15'
Magma Well
PRIVATE
Big Tank
Tipperary Wash
Wells
Olsen
Wash
Prospects
Tunnel
Prospect
Well
Cadillac Tank
Forman Ranch
Antelope Peak
Lopez Wells
Panther Butte
BM 3173
North Well
Three Buttes
Power Line
Chief Butte
VABM Rocky Butte 3233
VABM Roll 3395
Big Mine
Shaft
Parker
Palo Verde Ranch
USMM 3
Water
Shafts
Carpas Wash
VABM Tortilla
Derrio
T. 8
630 FEET
40'
T. 9 S
35'
ORACLE JUNCTION 6.2 MI.
TUCSON (CITY HALL) 30 MI.
(ORACLE)

NAME OF MINE: LAST CHANCE #2

OWNER:

COUNTY: Pinal

DISTRICT:

METALS: Cu,Pb

OPERATOR AND ADDRESS		MINE STATUS	
Date:		Date:	
9/45	Jos.M. Howard, Hayden	9/45	Developing

*GENERAL REFERENCES

REFERENCE 1 F1 < USGS MISCELLANEO[illegible] STUDIES MAP MF 864

REFERENCE 2 F2 < ARIZONA DEPARTMENT OF MINERAL RESOURCES FERGUSON COPPER AND LAST CHANCE 2 FILES

REFERENCE 3 F3 < ABGMT-USBM PRODUCTION DATA FILES

REFERENCE 4 F4 <

MILS # 612 A,B

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

RECORD NUMBER B10 <

*RECORD TYPE B20 < X 1 M >

DEPOSIT NUMBER B40 <

REPORT DATE G1 < 8 2 ⊠ 0 3 > (YR. MO.)

*INFORMATION SOURCE B30 < 1 2 >

+FILE LINK IDENT. B50 < USBM-0040210600 >

REPORTER(SUPERVISOR) G2 < GEST, DON E. (last, first, middle initial) ((last, first, middle initial))

REPORTER AFFILIATION G5 < ABGMT >

*SITE NAME A10 < LAST CHANCE MINE >

SYNONYMS A11 < FERGUSON, OWENS, LAST CHANCE #2 >

LOCATION

MINING DISTRICT/AREA A30 < OWL HEAD DISTRICT >

COUNTY A60 < PINAL >

*STATE A50 < A Z >

*COUNTRY A40 < U S >

PHYSIOGRAPHIC PROV A63 < 1 2 ⊠ ~~LOWER COLORADO~~ >

DRAINAGE AREA A62 < 1 5 0 5 0 1 0 0 ⊠ LOWER COLORADO >

*LAND STATUS A64 < 0 1 ⊠ ⊠ (1 9 7 9) >

QUADRANGLE NAME A90 < TORTOLITA MOUNTAINS (1 9 5 9) >

*QUADRANGLE SCALE A100 < 6 2 5 0 0 >

SECOND QUAD NAME A92 < ( ) >

SECOND QUAD SCALE A91 <

+ELEVATION A107 < 2 9 9 0 ⊠ F T >

UTM

*NORTHING A120 < 3 6 1 6 7 5 0 >

*EASTING A130 < 4 9 3 4 6 0 >

*ZONE NUMBER A110 < + 1 2 >

*ACCURACY

ACCURATE ACC (circle)

ESTIMATED EST < MAIN CLAIM INCLUDES A WELL, LOCATION OF WELL USED >

GEODETIC

+LATITUDE A70 < - - N >

+LONGITUDE A80 < - - W >

CADASTRAL

+TOWNSHIP(S) A77 < 0 0 8 S : ⊠ : ⊠ : ⊠ >

+RANGE(S) A78 < 0 1 2 E : ⊠ : ⊠ : ⊠ >

+SECTION(S) A79 < 35 : ⊠ : ⊠ : ⊠ >

+SECTION FRACTION(S) A76 < NE OF SE >

+MERIDIAN(S) A81 < GILA AND SALT RIVER >

POSITION FROM NEAREST PROMINENT LOCALITY A82 < 3 MILES EAST OF NORTHERN MOST SUIZO MOUNTAIN, ELEVATION 3119 >

+LOCATION COMMENTS A83 < WITHIN SIGHT OF U.S. 80, NE OF HIGHWAY, WELL AT SITE >

* ESSENTIAL INFORMATION

\+ ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

COMMODITY INFORMATION

*COMMODITIES PRESENT C10 < C,U, A,G, >
*ORE MINERALS C30 < MALACHITE, AZURITE, CHALCOCITE
COMMODITY SUBTYPES C41 <
+GEN. ANALYTICAL DATA C43 <
COM. INFO. COMMENTS C50 <

* SIGNIFICANCE

PRODUCER		NON-PRODUCER	
MAJOR PRODUCTS	MAJOR < C,U, >	MAIN COMMODITIES PRESENT	C11 <
MINOR PRODUCTS	MINOR < A,G, >	MINOR COMMODITIES PRESENT	C12 <
POTENTIAL PRODUCTS	POTEN < >		
OCCURRENCES	OCCUR < >	OCCURRENCES	OCCUR <

*PRODUCTION

PRODUCER	NON-PRODUCER
PRODUCTION YES (circle) PRODUCTION SIZE SML MED LGE (circle one)	PRODUCTION UND NO (circle one)

*STATUS

EXPLORATION OR DEVELOPMENT

PRODUCER	NON-PRODUCER
STATUS AND ACTIVITY A20 < 4 >	STATUS AND ACTIVITY A20 < >

+DISCOVERER L20 <
+YEAR OF DISCOVERY L10 < > +NATURE OF DISCOVERY L30 < B > +YEAR OF FIRST PRODUCTION L40 < 1929 > +YEAR OF LAST PRODUCTION L45 < 1939
+PRESENT/LAST OWNER A12 <
+PRESENT/LAST OPERATOR A13 < MRS. ETHEL FERGUSON, 1943
EXPL./DEV.COMMENTS L110 < 60 CLAIMS, 250 FT DRILL HOLE IS NOW WELL, OTHER DRILLING REPORTED, INCLUDING CHURN DRILLING, IS OPERATORS INCLUDE J.J. OWENS AND

DESCRIPTION OF DEPOSIT

*DEPOSIT TYPE(S) C40 < SHEAR ZONE / DISSEMINATED
DEPOSIT FORM/SHAPE M10 <
DEPTH TO TOP M20 < > +UNITS M21 < > +MAXIMUM LENGTH M40 < > +UNITS M41 <
DEPTH TO BOTTOM M30 < > +UNITS M31 < > +MAXIMUM WIDTH M50 < > +UNITS M51 <
DEPOSIT SIZE M15 < SMALL > M15 < MEDIUM > M15 < LARGE > (circle one) +MAXIMUM THICKNESS M60 < > +UNITS M61 <
STRIKE M70 < > +DIP M80 <
DIRECTION OF PLUNGE M100 < > +PLUNGE M90 <
DEP. DESC. COMMENTS M110 < ORE IN FRACTURES AND IN AREAS OF HOST ANDESITE, WITH SECONDARY OXIDATION COMMON >

DESCRIPTION OF WORKINGS

Workings are: SURFACE M120 UNDERGROUND M130 BOTH M140 (circle one) +OVERALL LENGTH M190 < > +UNITS M191 <
DEPTH BELOW SURFACE M160 < 20 > +UNITS M161 < FT > +OVERALL WIDTH M200 < > +UNITS M201 <
LENGTH OF WORKINGS M170 < > +UNITS M171 < > +OVERALL AREA M210 < > +UNITS M211 <
DESC. OF WORK. COM. M220 < 250 FT DRILL HOLE, BUT DEPOSIT IS SURFACE ONLY IN PITS. ONE PIT, 60 FT LONG, 17 FT. DEEP. ONE PIT 40 FT. LONG, 4 FT DEEP. ONE VERTICAL PIT, 20 FT DEEP >

GEOLOGY

+AGE OF HOST ROCK(S) K1 < T,E,R,T, >
+HOST ROCK TYPE(S) K1A < ANDESITE
+AGE OF IGNEOUS ROCK(S) K2 < T,E,R,T, >
+IGNEOUS ROCK TYPE(S) K2A < ANDESITE
+AGE OF MINERALIZATION K3 < T,E,R,T, >
+PERT. MINERALS (NOT ORE) K4 <
+ORE CONTROL/LOCUS K5 < FRACTURES WITHIN ANDESITE
+MAJ. REG. TRENDS/STRUCT. N5 < ANDESITE IS SURROUNDED BY PINAL SCHIST
+TECTONIC SETTING N15 <
+SIGNIFICANT LOCAL STRUCT. N70 <
+SIGNIFICANT ALTERATION N75 <
+PROCESS OF CONC./ENRICH. N80 < STRONG LEACHING
+FORMATION AGE N30 < P,R,E,C, >
+FORMATION NAME N30A < PINAL SCHIST
SECOND FM AGE N35 <
SECOND FM NAME N35A <
+IGNEOUS UNIT AGE N50 <
+IGNEOUS UNIT NAME N50A <
SECOND IG. UNIT AGE N55 <
SECOND IG. UNIT NAME N55A <
GEOLOGY COMMENTS N85 <

GENERAL COMMENTS

GENERAL COMMENTS GEN <

August 9, 1945

Mr. Joseph M. Howard
Hayden, Arizona

Dear Mr. Howard:

We have your letter about a gasoline approval.

We should know the name and location of the mine, something regarding your anticipated production, the metal that you will produce and the number of miles per month you expect to run your truck.

We have, however, signed this approval blank to save time. You can fill in the information in the proper places. Then please return the two colored copies to this office and attach the white one to your O.D.T. application.

Yours very truly,

Chas. H. Dunning
Director

CHD:LP
Enc.

Hayden Arizona.

August 3, 1945.

DEPT. MINERAL RESOURCES
AUG 8 1945
PHOENIX

Arizona Department of Mineral Resources,

Phoenix, Arizona.

Gentlemen:

I recently made a request for gasoline for my converted coupe truck so as to carry supplies to my mining claim located at Crosier Peak I have a man employed to prospect this claim.

The office of Defense Transportation request that I contact your office to secure permit but they do not state what information I am to furnish you.

I would thank you to inform me what procedure I am to follow to secure the desired permit.

Thanking you for your attention to my request I remain

Very truly yours,

Jos. M. Howard.

By ash

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

DEPT. MINERAL RESOURCES
RECEIVED
AUG 7 1945

Filing Information

File System

File No.

This chart to be used for gallons of gasoline required per month.

Date 8/9/45

Name of Mine Last Chance No 2

Owner or Operator Jos M Hawned

Address Haydin Ariz

Mine Location Copper Peak mining Dist Pinal Co.

PRESENT OPERATIONS: (check X)

Production 0; Development Open Cut; Financing 0; Sale of mine 0;

Experimental (sampling) 5 to copper; Owner's occasional trip 2 trips a week

Other (specify) for supplies

PRODUCTION: **Past and Future.** Tons none

Approx. tons last 3 months none

Approx. present rate per 3 months none

Anticipated rate next 3 months

If in distant future check (X) here 2 Tons per mo

EQUIPMENT OPERATED: Shovels & Picks

Type		Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars	0		250	25 gallons
Light or Service Trucks		1		
Ore Hauling Trucks	0			
Compressors	0			
Other Mine or Mill Eqpt.	0			

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Copper & lead

REMARKS: This is a claim I am working

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By Chas H Denning