CONSULTING MINING, METALLURGICAL, GEOPHYSICAL AND GEOLOGICAL ENGINEERS AND GEOLOGISTS
Registered and Residing in Arizona
And
AUTHORIZED BLM MINERAL SURVEYORS

ARIZONA DEPARTMENT OF MINERAL RESOURCES
Mineral Building, Fairgrounds
Phoenix, Arizona 85007

August, 1976

John H. Jett, Director
We have revised and updated the Directory of Consulting Registered Engineers and Geologists. The Directory includes a listing of mining, metallurgical, geophysical, and geological engineers and geologists, available for full time or part-time consulting work. The list of Arizona residents has been divided into two parts; full time availability and part time availability. The list is further subdivided into the five classification categories and listed by counties.

This Directory has been compiled from replies from a letter sent to the individual Arizona registered mining, metallurgical, geophysical and geological engineers and geologists as provided by the State Board of Technical Registration. Designation of availability and specialty is that of the individual consultants. This listing, as such, does not necessarily constitute an endorsement of any individual by the Department of Mineral Resources. It is provided only as a service to the mineral industry.

John H. Jett
Director

BOARD OF GOVERNORS.

Walter E. Heinrichs, Jr., Tucson — Chairman
(term expires January 31, 1977)

Ronald F. Teissere, Tucson
(term expires January 31, 1978)

A. J. Perry, Tucson
(term expires January 31, 1979)

Curtis Ritter, Kirkland
(term expires January 31, 1980)

Mrs. Ann Chesley, Globe
(term expires January 31, 1981)
MINING ENGINEERS - FULL TIME

COCHISE COUNTY
Bisbee:
Griffith, Richard S., P.O. Box 4218, 85603..........Mine survey, open pit, underground
Riddell, Richard D., P.O. Box 499, 85603............Surveying

SPECIALTY

GILA COUNTY
Globe:
Conwell, Cleland, P.O. Box 407, 85501.............Property appraisals
Sorsen, Wm. W., 770 Sunset Drive, 85501............Dump leaching, Copper and uranium, limestone quarrying and calcining

Miami:
Fletcher, James B., P.O. Box 846, 85539

MARICOPA COUNTY
Paradise Valley:
Smith, Harvey, 6016 N. Kachina Lane, 85253.........Land acquisition

Phoenix:
Coggin, H. Mason, 4550 N. 12th Street, 85014........Open pit, underground, property evaluation
Mieritz, Richard E., 2940 N. Casa Tomas, 85016

Wickenburg:
O'Leary, Dorman S., P.O. Box 1041, 85358

PIMA COUNTY
Tucson:
Boggero, Antonio, 3721 N. Cherry Avenue, 85719.....Block caving, underground engineering construction
Couzens, Thomas R., 4420 E. Speedway Blvd., 85712 ..Open pit designing and planning
Heinrichs, W. E., Box 5964, 85703....................Geological, geophysical engineering in minerals, energy, water and site studies
Jackson, Guerdon E., 700 W. Chapala Drive, 85704..Exploration, engineering, operation computer application.

Lambert, D. P., P.O. Box 50567, 85705..............Underground construction and development
Lewis, E. H., 427 S. Olsen Avenue, 85719
Pincock, W. K., 4420 E. Speedway Blvd., 85712
Robison, John L., 3130 E. Grant Road, 85716........Mining and milling
St. Peter, Albert L., 625 N. Van Buren #203, 85711..In-situ rock preparation
Still, J. W., 2020 N. Forbes, Ste. 108, 85705.....Block caving, trackless room and pillar

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### PINAL COUNTY

**Casa Grande:**
- Hendricks, R. S., Box 1176, 85222
  - Specialty: Underground, feasibility studies and mine design

**Kearny:**
- Bishop, H. W., P.O. Box 595, 85237
  - Specialty: Pit design, mine planning, ore reserves

**Oracle:**
- Kuck, David, P.O. Drawer 369, 85623
  - Specialty: Mineral property evaluation

### YUMA COUNTY

**Parker:**
- Cornejo, L. A., 1221 Eagle Avenue, 85344
  - Specialty: Mining consultant and mineral survey for patent
GEOLOGIST - FULL TIME

MARICOPA COUNTY
Phoenix:
Greenslade, Wm., 411 N. Central, Ste. 515, 85004...Ground water, slope
Manera, Paul, 5251 N. 16th Street, Ste. 302, 85016...Ground water
Weathers, Gerald, 3928 E. Meadowbrook, 85008

Scottsdale:
Rominger, Joseph F., 7520 N. Lakeside Lane, 85223...Petroleum geology
Thiele, Heinrich, Jr., 6250 E. Monterosa St., 85251...Hydrogeology and geo-

PIMA COUNTY
Tucson:
Briscoe, James A., 6783 Camino Principal, 85715...Base and precious metal
explosion
Den-Baars, Dirk, 6318 E. Hayne Street, 85710...Porphyry Copper, limestone
Fair, C. L., 3420 N. Huachuca, 85705
Gilmour, Paul C., 3838 Calle de Soto, 85716
Kinnison, John E., 5450 N. Bowes Rd., 85715...General mining, geology
Lepley, L. K., 8841 N. Calle Loma Linda, 85704...Remote sensing
Lewis, E. H., 1275 S. Olson Avenue, 85719
Lowell, J. David, 5151 N. Oracle Rd., 85740...Porphyry copper, geology
Perry, A. J., 5055 E. Broadway, 85732...Non petroleum mining, exploration
Pye, Willard D., 3118 N. Forgeus Avenue, 85716...Mining and oil
Sewell, Charles, 9191 E. Golf Links Road, 85730...Design and execution of
programs of mineral explor.


PINAL COUNTY
Oracle:
Kuck, David, P.O. Drawer 369, 85623...Mining property evaluation

YAVAPAI COUNTY
Clarkdale:
Handverger, Paul A., Box 155, 86324...Economic geology, gold, uranium, copper

YUMA COUNTY
Wenden:
Youell, James R., P.O. Box 338, 85357...Exploration drilling and
sampling, placer, lode
METALLURGICAL ENGINEERS - FULL TIME

COCHISE COUNTY
Sierra Vista:
Ferguson, Wm., P.O. Box 1238, 85635..............Extractions, leaching, hydro and biological assist, metallurgy

PIMA COUNTY
Tucson:
Allen, Phil, P.O. Box 18165, Rincon Station, 85731. Ore processing problems, flowsheet
Chase, Clement K., 1351 E. Greenlee Rd., 85719.....Uranium and hydrometallurgy
Horst, Wm. E., 7045 N. Montebella Road, 85704.....Mineral processing

GEOPHYSICAL ENGINEERS - FULL TIME

MARICOPA COUNTY
Phoenix:
Manera, Paul A., 5251 N. 16th St., Ste. 302, 85016......Electrical resistivity, geophysics

PIMA COUNTY
Tucson:
Elliott, Charles L., 4653 E. Pima Street, 85712

GEOLOGICAL ENGINEERS - FULL TIME

MARICOPA COUNTY
Phoenix:
Greenslade, Wm., 411 N. Central, Ste. 515, 85004...Ground water, slope stability, environment

PIMA COUNTY
Tucson:
Winter, Harry, 8 West Paseo Redondo, Ste. 111, 85705........Financial evaluation, mine planning, ore reserves
MINING ENGINEERS - PART TIME

GILA COUNTY
Apache Junction:
Dugan, Doyle J., Rt. 2, Box 98 Valley Road.........Tunnel and raise boring

Globe:
Conwell, Cleland, P.O. Box 107, 85501..........Property appraisals
Gerhardt, Alvin W., 816 Agave Dr., 85501..........asbestos mining & milling
Muncy, A. N., 757 S. 11th Street, 85501..........Small mines
Quay, J. H., Box 2910, 85501,....................Dump leaching, copper and uranium, limestone quarrying and calcining

MARICOPA COUNTY
Phoenix:
Strutzel, J.J., 5110 E. Osborn, 85018...........Underground mining and geology
Tamplin, Wm., 1727 E. Cambridge Avenue, 85008
Tognoni, Hale C., 1525 W. Northern, 85021
Weed, H. Carroll, 6527 N. 5th Avenue, 85013........Advisor only

MOHAVE COUNTY
Riviera:
Burton, Robert S., Box 664, 86442..............Underground, shaft sinking ground control

PIMA COUNTY
Green Valley:
Chapman, Robert T., 265 N. Camino del Vate, 85614...Exploration, economics feasibility
Friedman, A. A., P.O. Box 83, 85614

Tucson:
Cole, Richard, 717 E. Knox Dr., 85719...........Mine modeling and planning
Hall, A. C., 1875 N. Campbell Avenue, 85718........Management consultant feasibility studies
Halpenny, Leonard, 3938 Santo Barbara, 85711........Consultant in water resources
Jenney, Charles P., 400 Golf View Drive, 85704...Mine exploration
Johnson, Axel, 1300 W. Giaconda Way, 85704........Mapping, reports
Pate, Manoah L., 2513 N. Stewart, 85716
Sawyer, Thorp D., 5865 W. Rocking Circle, 85713...Placer specialist
Snedden, T. A., 6861 Mohu Place, 85715...........Mine development, production
Splane, John L., 804 Lawyer's Title Bldg., 85701...Land status and negotiations

PINAL COUNTY
Casa Grande:
Bissett, A. F., 1206 N. Olive Drive, 85222

YAVAPAI COUNTY
Prescott:
Zinkl, Andrew J., 1602 N. Campbell St., 86301......Gold placer and copper leaching
COCONINO COUNTY
Flagstaff:
Montgomery, E. L., 2012 N. Crescent, 86001

GILA COUNTY
Miami:
Fowells, Joseph, 124 Miami Gardens Drive, 85539...Property examinations

MARICOPA COUNTY
Glendale:
Hammons, Lee, 6243 W. Missouri, 85301
Podesta, Donald J., 4729 W. Mediterranean Dr., 85301
........Evaluation and economics feasibility
Phoenix:
Crossman, Harold, 6451 S. 22nd Place, 85040.......Uranium prospecting
Kellogg, John P., 745 F. Maryland, #7, 85014.......Uranium exploration and evaluation, mine surveying
Sheridan, Michael F., 2526 N. 56th Street, 85008...Volcanic rocks
Tempe:
Brown, S. C., 2401 W. Southern B-78, 85281.......Petroleum hydrogeology
Buseck, Peter, Geol. Dept. - ASU, 85281
Pewe, Troy, Geol. Dept. - ASU, 85282..............Environmental engineering
Hagan, Donal M., 1887 E. Concordia Drive, 85282

PIMA COUNTY
Tucson:
Arnold, L. Clark, 5115 N. Oracle Road, 85704.......Mineral exploration
Buck, Loren I., 4435 E. Bratt, 85712..............All phases, surface and sub-surface
Caviness, Clyde, 7526 E. Palma, 85710..............Exploration
Dodge, Theodore, 3 Potter Place, 85719..............Exploration
Eyde, Ted, Box 1127, Cortaro, 85230..............Natural zeolite deposits
Halpenny, Leonard C., 3938 Santa Barbara, 85711....Consultant in water resources
Platt, Wallace S., 7531 E. David Drive, 85730.......General exploration
Schreiber, Joseph F., 6101 E. Oak Street, 85711....Stratigraphic studies, sedimentology
Stockton, Charles, 1929 N. Forgeus Drive, 85716....Geohydrology and surface water exploration
Sumner, John S., 728 N. Sawtelle, 85716..........Exploration

PINAL COUNTY
Kearny:
Kuhn, John G., Box 1102, 85237.............Economic geology
METALLURGICAL ENGINEERS - PART TIME

GILA COUNTY
Miami:
Bean, James J., P.O. Box 413, 85539..............Flotation, cyanidation, heavy media

MARICOPA COUNTY
Glendale:
Connole, Kent B., 4737 W. Christy Dr., 85304........Heat treating and selections of metals
Phoenix:
Bradley, Robert, 6240 N. 15th Street, 85014........Physical metallurgy, material selection, failure analysis
Feverstein, W. J., 6302 N. 4th Place, 85012
Nutt, Merle C., 2119 W. Edgemont, 85009...........Physical metallurgy
Scottsdale:
Cashman, Gerold T., 8750 E Monterey Way, 85251....Mineral beneficiation

PIMA COUNTY
Tucson:
Bitzer, Edmund, 9159A E. Broadway, 85710...........Gold, copper, uranium
Geiger, Gordon H., 364 1/2 Camino Suerte, 85715........Extraction metallurgy
Keating, K. L., 7054 Magic Lane, 85711.............Corrosion and materials
Kuhn, Martin, 5934 E. 3rd Street, 85711.............Flotation, hydrometallurgy, mineral processing, lead, zinc, copper
Lagergren, Charles F., 6840 E. Broadway, 85710.....Grinding classification
Morris, Thomas, 7411 Calle Arboles, 85715........Hydro and electro metallurgy flotation
Murphy, Daniel J., 2600 Skyline Drive, Apt. 23, 85718
..............Physical and mechanical properties of metal alloys
Osborn, Clyde, 7215 E. Camino Valle Verde, 85715...Hydrometallurgy, gold, copper, uranium
Roseveare, George, 2526 E. Blacklidge, 85716
Weiss, Norman, 2030 E. Broadway, 85719.............Gold and silver ores
Winkler, Fred M., 6001 W. Rocking Circle, 85713....Copper smelting

YAVAPAI COUNTY
Bagdad:
Pilz, Conrad, Box 455, 86321
<table>
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<tr>
<th>COCHISE COUNTY</th>
<th>SPECIALTY</th>
<th>PIMA COUNTY</th>
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<tr>
<td>Douglas:</td>
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<td>Tucson:</td>
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<td>Matthews, John P., 2200 8th Street, 85607</td>
<td>Exploration geophysics</td>
<td>Sumner, John L., 728 N. Sawtelle, 85716</td>
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<td>Wiedwilt, W. Gordon, 2400 E. Grant Road, 85719</td>
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</tbody>
</table>
The following list of names constitutes the current roster of authorized Mineral Surveyors residing in Arizona, as submitted to the Arizona Department of Mineral Resources.

Adams, Robert E.
7534 North 16th Circle
Glendale, Arizona 85301

Barkdull, Thomas H.
P.O. Box 2204
Prescott, Arizona 86301

Cornejo, Lewis A.
P.O. Box 320
Parker, Arizona 85344

Frazer, Robert L.
P.O. Box 1711
Tucson, Arizona 85702

Gant, Travis L.
P.O. Box 943
Globe, Arizona 85501

Hanks, Edwin H.
4373 E. 16th Street
Tucson, Arizona 85711

Kesler, Jack Martin
P.O. Box 665
Kingman, Arizona 86401

Lenon, Robert
Box 525
Patagonia, Arizona 85624

Luckow, Thomas F.
7001 Redbud Road
Tucson, Arizona 85715

Meldrum, John V.
P.O. Box 2002
Litchfield Park, Arizona 85340

McLain, Gordon W.
1732 E. Orange Drive
Phoenix, Arizona 85016

Nunnelley, Ralph B.
c/o Coe & Van Loo
1550 N. 12th Street
Phoenix, Arizona 85014

Settlemeyer, W. L.
8222 East Sandstone Drive
Tucson, Arizona 85715

Smith, O. T.
P.O. Box 2735
Globe, Arizona 85501

Smith Harvey W.
6016 N. Kachina Lane
Scottsdale, Arizona 85253

Switzer, John H.
232 E. 6th Street
Tucson, Arizona 85705

Tout, Louis V.
c/o Robert L. Tout
2403 Olivia Avenue
Yuma, Arizona 85364

Waara, J. William
P.O. Box 1017
Prescott, Arizona 86301

Williams, Jerry Carl
1015 El Paso Boulevard
Safford, Arizona 85546