PROFESSIONAL CARDS.

BULKLEY, FRANK
Mining Engineer
Cable Address: BULKLEY, Denver,
1800 California Building,
Denver, Colo.

WE HAVE JUST STARTED THIS BRANCH OF THE MAGAZINE AND RECOMMEND THE ADVISABILITY OF THIS REMINDING OUR READERS THAT YOU ARE IN BUSINESS FOR YOURSELF. YOU WILL SURELY FIND IT PROFITABLE AS WE MAKE A VERY REASONABLE RATE FOR SPACE.

THE J. F. BROWN INVESTMENT CO.
Real Estate, Loans and Securities,
102 Boston Building, Denver, Colorado.

It is hard, sometimes, to have patience with people who have lost theirs. A man who is true to himself has neither time nor inclination to be false to others.

The Roessler & Hasslacher Chemical Company
100 WILLIAM STREET
NEW YORK
Works: Perth Amboy, N. J.

REGULAR CYANIDE
98.89%

CYANIDE OF SODIUM
128-130%

ALL OTHER CHEMICALS FOR MINING PURPOSES

favors you with an opportunity to make a visit to the Hawaiian Islands, don’t miss it. And let me say here, that if you have any surplus cash left after you get there—besides what you need to return on—there are Americans over there who will help you spend your money, or you can speculate a little on the sugar market, or buy a few thousand acres of plantation. But to give you a few impressions of Honolulu—about the first thing you see as you steam into the harbor are the big oil tanks, and plant of the Standard Oil Company. Nearly all of the Pacific steamships use oil-fired boilers. But, ladies and gentlemen, we have one thing here which they do not own, and that is the great Pacific Ocean. They do own the Pacific Ocean!—”

But to return to Honolulu. I believe the one thing which appeals most to the American tourist is the extreme hospitality of the people. Not only the Hawaiians, but the Americans there, as well.

The Hawaiians are naturally a generous, hospitable, easy-going class of people. They are very fond of music, and small hands of them still walk about the streets in the
tranqulity which is so characteristic of the evening playing their melodies and singing.

The prevalent trade winds, which are always prevailing from the east, are always a wind of the same strength and direction. The temperature of the water is close to 78 degrees the year round. The surfs on the leeward side of the Island are very strong, and the waves are usually large and powerful. The natives, and many of the Americans, who are still a keen recollection of the days they spent in the Islands, speak fondly of the surf and the waves.

The yield in 1898 was 521,000 tons, valued at $15,000,000. There is a large pit 1,000 feet in diameter, 600 feet deep, with an area of 2,650 acres. This is only one of the many large labor required in the field, and the profits on their investments. The power for processing the rock, and in the Broughton districts and mills, depending, of course, upon their trade demands and customers' requirements, but in general, "number one ore" is given at one ton per ton, and "number two ore" at from one-half to one ton per ton. The growth of this industry is shown by the number of rock per day are reported.

The growth of the Canadian asbestos industry is shown by the number of tons of rock per day are reported. The growth of this industry is shown by the number of tons of rock per day are reported.

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tons of asbestos rock, or a total production of 64,166 tons, which is an increase of about 19 per cent. over the production of 63,349 tons, valued at $2,384,587 in 1909.

The number of men employed in mines and mills is reported as 3,443, at which wage the shipment is reported as 3,443, at the wages of the different "standard" grades of fiber products are as follows:

- Number one crude: $275 per ton.
- Number two crude: $200 to $210 per ton.
- Number three milling fiber: $10 to $11 per ton.
- Number one milling fiber: $100 to $110 per ton.
- Number two milling fiber: $22 to $24 per ton.
- Number three milling fiber: $14 to $16 per ton.

The question of prices, quality and length of fiber being equal.

Cost of Production.

For these figures we are again referred to the Canadian trade as the American trade has not advanced far enough to permit the comparative averages being made public. These Canadian figures are the result of years of compilation and in some instances represent an average of ten or twelve years' experience.

In the Broughton district where only milling grades are produced, the average cost is given as from $12 to $14 per ton of asbestos, based on an 8 per cent. rock.

In the Thetford and Black Lake District, where both crude and milling fiber are produced, the cost is given from $30 to $27 per ton.

Local Development.

On the Wyoming Consolidated property, now leased by the International Asbestos Mills & Power Company, a fiberizing mill was completed last fall and is in operation. This mill has a capacity of about 150 tons of rock per 24 hours and was the first asbestos mill erected on the Wyoming deposit. The work of the first season was largely experimental, but some remarkable results were obtained in the treatment and separation of the fiber.

The process at this mill consists of crushing in a jaw cruscher, the crushed material passing into a Jeffrey rotary screen cruscher.

These figures are included for the purpose of giving a comparative idea of what may be reasonably expected from the Wyoming fields within the next few years.

These are the figures from the official publication of the industry, but it is a matter of experience that these must be taken as the average prices rather than as official trade quotations.

In the Casper Mountain deposits being worked by the Northwestern Asbestos Mining Company, a shaft has been sunk on the Smith Creek Mill. The cost of producing this showing is given as from $20 to $27 per ton.

These figures represent an average of ten or twelve years' experience.

The Smith Creek Mill. This machine consists simply of a cylinder in which a number of arms revolve at a high speed and simply beat out the fiber material.
have been expected, developed some interest shipping bins.
and go to the sand and waste-box, the fiber
dropped on a Colorado Iron Works' Impact
which then passes to an elevator and is
made a number of minor changes, partic-
ing to secure this effect are now in course
trade may direct. A number of changes look-
it into "sticks" as they are known in the
exhibited, a small fan and a collection cham-
low grade short fiber about of the grade
first class was the fiber, the second class
from the thirty-mesh
to at least a mile and a half in length, show-
swer the question, but consider if you will,
available tonnage in these deposits and the
ber talten from an old aban-
accurate investigations made before commer-
making deposits must depend entirely upon
ning amphibole; the first in Vermont in a
uration, the second in a deposit situated at
comparatively limited deposit, now in oper-
any received and supported by the public
and a ready market has been found for all
ally, and the public.
first wagon road.

The Home-Coming.
(Success Magazine.)

They say that John Nicholas Balfour, the poet, went away from home at a tender age
and for a while wrote home glowing letters
of the basket ball, baseball and track teams.

"Dill Johnson in Charge of Mines Ath-
etics.

Announcement has just been made of the appointment of William E. Johnson, a
Colorado's best known athletes, and a former
School of Mines man, to the position of
general athletic director at the School of Mines. He takes the place of Capt. Will C.
Bryan, and in addition to having charge of
all athletics, will be the coach and trainer
of the basketball, baseball and track teams.

Dill Johnson has been known in Colorado
athletics since he entered that Denver High
School. During his four years career there
he made his first appearance as a track man
and a football player. He played on the
football team for three years and then began
his successful career as a halfback. He
was left-fielder on the baseball team for one
year.

After he was graduated from high school in 1911, he entered the School of Mines.
He was born one year, and his ability as a run-
or and halfback was given its first test.

One year after this he spent at California,
and on account of the one-year rule. In the fall of
1913 he entered the United States Air
as a reserve, where he was known as one of the
faster 100 and 220-yard runs, and a pou-
ing and viracious halfback. It was during his
career at Colorado that he made records in
the 100 and 220-yard dashes, the high jump and the broad jump. He is regarded
as one of the fast half backs Colorado has
ever known.

Since he left Boulder he has been in the
West and South. He was coach at the
University of Kentucky for four years, and
met with success. For the last two years
he has been coach of the athletics, football and
baseball teams of Woonsocket, Ohio, a town
Spring his team played fifteen games and
lost only one. The team was the champion
of the State. It was a member of the Big
Nine of Ohio, a conference with ten of the
teams in Ohio belong. When he left Woon-

ter he was presented with a magnificent
ring by the students of the university as a
token of their appreciation of his serv-
ices.

"Dill" Johnson in Charge of Mines Ath-
etics.
Published every month in the year, at Golden, Colo., by the Alumni Association of the Colorado School of Mines.

Subscription price ........... $1.25 per annum
Single copies............... 25 cents

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LORENzo W. HUNTINGTON, '98, President.
Capt. B. B. WATSON, '98, Vice-President.
DAVE B. McQUEEN, '98, Sec'y and Treasurer.

School of Mines.

V. M. C. A. NOTES.

Yours sincerely,

H. S. HENRY, '94.

Subscription price—$1.25 per annum.

Single copies—25 cents.

Address all communications to the Alumni Secretary, Golden, Colo.

Class Editot:

ALLEN J. ROYCE, '90.

ASSOCIATION EDITOR:

WILLIAM E. ROBERTSON, '91.

ASSOCIATION EDITOR:

Theodore Tenney De Sollar.

Managing Editor:

H. C. Freiherr.

Vol. 1. AUGUST, 1901. No. 11.

Because of the length of the list of Alumni with their addresses, printed elsewhere in this issue, considerable material has been cropped out of this number.

The standing in the Alumni Association is shown in parentheses after the name of the person, and will be kept up to date by a letter of authentication. We want everyone to make a special effort this next month or so to send in one or more of the graduates, and also members of the Association, to join and subscribe for the magazine. As a rule, gradua
tes who are not members are always good subscribers, and are, we are sorry to say, some of the older life members appear to have lost all interest and have not the courtes
ty to even write one or two letters and requests to subscribe.

Don't you please help the Association not this way: Look through the list carefully, note all the mailing addresses you can, and use them. Leave a list of your re
committees who are not members and write them a letter or two once a year. All this is not the same as what the Association needs, however, and do not forget to write to them as your advertising dues at the magazine. Some are doing this, and I know and it is helping on a great deal. If it was not for the advertisers the magazine could not be running now. Note the new profession and then look up our editorial heading in the June number.

Y. M. C. A. NOTES.

The new Y. M. C. A. hand book is just out and is in the permanent possession of its owner. It is a very helpful book, and has the good name and yells, and much interest attached to the social side of the school.

J. B. Watson, the junior secretary, left for a visit to the home folks the last of June. He will return to Golden the last of August, with a handsome young bride cling
ing to his arm. (This last sentence will call forth a gentle sigh from most of the un
attached young ladies of the school.)

ABSTRACTS.

As I am with the Pacific Light and Power Company, no resident engineer, on the Big Creek project. They expect to de
develop about 300,000 horse-power here by a series of tunnels and power-houses down the canyon. They have a 1,800-foot dam and about 8,000 feet of water.

Your's very truly,

H. C. Freeman.

THE COLORADO SCHOOL OF MINES MAGAZINE.

I wish to express my hearty appreciation of the Magazine and the good work it de
te. I look forward to each number with the keenest anticipation. Yours sincerely,

G. R. HERMAN, '94.

Christmas, Ark.

PERSONALS.

N. B. Brown has been selected by Henry P. Lowe to take general charge of the Frank

tomer, Ashfield and Topaska group of mines, and also the Penn and Iron Cliff Min.

N. B. Brown has accepted Walter A. Funk, '03, to assist him in his mineral surveying and office work at Malo Springs.

P. M. Colman is now with the Butte and Superior Copper Co., supervising a series of tests on ore in the Basin Mill.

Charles T. Duncll sent a card, dated June 23, stating he expected to leave the RoastWaters Mining Company, Bagdad, P. L. & W. R. R., and would need permanent address by July 20.

I was pleased to note my election as Vice-

President with but one dissenting vote,

and also the Penn and Iron City Mills. Mr.

C. Brinker is with the Exploration Com

pany is erecting a new mill of 200 ton ca

pacity, tube mills and 1,000-pound stamps.

I, A. Brinker is with the Exploration Com

pany, of Butte and Montana, Ltd., and has been moving around a great deal. He was at Santa Barbara, Calif., Mexico, recently.

Professor and Mrs. M. G. Butler returned a few days ago from a pleasant visit of sev
eral weeks at Lake Geneva, Wisc. Professor Butler will make the last of August to engage in the geological survey work at Alma, Colo.

Miss Grace C. McDonald was married June 7 to Barry Milligan, the ceremony tak

place in Washington, D. C., and being performed by the Rev. J. heating Neims. The bridegroom was graduated from the Case School of Applied Science.

Walter F. Park is located at Idaho Springs, Colo., with N. B. Brown, '93, acting

him in the survey and office work.

T. unney De Sollar visited the School and Golden about the middle of July for the first time in four years. He enjoyed looking over the gym and the new testing plant, and was feeling most rested for his next vacation. He has returned to Hancock, Mich.

J. C. Cory is taking a vacation at Palace Lake. His permanent address is 1442 De

troit Street, Denver.

Carl A. Allen, one of our assistant professors of mining, is having more honors thrust upon him, his house being visited by the utmost of all the stork. July 22, who consigned a fine baby boy to his care and keeping.

H. L. Hallman is now superintendent of the Sandford Mine Co., at Malo Springs.

James L. Libby was in Golden recently on a visit from Rock Springs, Wyo.

Mr. and Mrs. Phil Granum are the proud parents of a splendid baby boy, born to them Saturday, July 23.

Alvin B. Kerner is now with Osgood, Carter & Co., consulting engineers, 634 First National Bank Building, Chicago, Ill., as a mining engineer.

Herman C. Zeck has returned to Bovina, Utah, where he has an engineering, mining and surveying business with United States deputy mineral surveyor.
J. A. Van and C. H. Bull are in Denver.

Carl A. Allen was elected assistant professor of mining.

CARL. A. ALLEN, Assistant Professor of Mining.

Startted at the Bottom.
Carl Allen graduated in 1898. He began at the bottom after graduation, and worked as mill man and foreman in the mills of Clair Creek and Boulder Counties. Later he was superintendent of the B. T. Yellow Mining Company of Mexico, coal inspector for the United States land office, manager of the Vaudenay Mining Company of Cortez, N. M., and recently studied stales and mill methods at the Miami Copper Company at Miami, Ariz. He has had a wide standing among the mining profession. He will bring to the school a knowledge of the latest and best methods of mining. He is a member of the engineering firm of Allen & Colburn, of Denver.

ALUMNI, COLORADO SCHOOL OF MINES.

Where two addresses are given, the first is the permanent, or home address. If you know of any omissions or changes in the addresses or occupation given, please notify the Assistant Secretary, Golden, Colorado, and keep this information up to date. We know that some of the permanent addresses, at least, are probably incorrect, as little attention has been paid to permanent addresses in the past. Please see that your addresses are correct on our lists and send us your permanent address, if not given in this list.

Standing in the Alumni Association at date of July 20, 1911, is shown in parentheses after the name.

Adler, Walter D., '06 (1911).
Agreement, C. W., '08 (1910).
Allen, J. A., '06 (1911).
Allen, K. P., '09.
Allen, L. C., '04 (life).
Allen, Ray B., '05 (life).
Allen, R. S., '10.
Allen, R. S., '06 (life).
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Bell, Charles

Barnes, Corrin, '96

Bartholomew, Tracy, '06 (life)

Barron, Chauncey, '02 (1912)

Barker, Franklin L., '06

Barensheer, William J., '96

Austin, Arthur, '05 (1910)

Atkins, Horace H., Jr., '94 (1911)

Ball, Max W., '06 (1911)

Ball, Louis R., '00 (1911)

Baker, Hamilton W., '11

Bailey, E. W., '05

Badger, Herbert W., '02

Atkinson, W. J., '96

Bal, Max W., '06 (1911)

Biren, G. H., '02

Ingersoll, Bell & James, Mining Engineers,
1703 Vine St., Denver, Colo.

Mining Engineer, International Asbestos
Professor of Mining and Geology, Alabama
Polytechnic Institute, Box "B," Auburn, Ala.

Brown, Samuel R., Jr., '11

Brown, Walter R., '10 (1912)

Brown, John S., '86

Brown & Ames, Aquadito 123, Pitches
Brown, Morton H., '92 (11)

Buchanan, T. B., '93


Bruce, Harry F., '00

Bruce, James L., '11 (1911)

 Bruce, David, '00

Bruce, W. S., '00

Bruce, Stewart, '11

Bruderlin, Emil J., '10 (1912)

Buchanan, W. W., '01

Buchanan, W. W., '02

Buchanan, A. A., Hon. E. M., Jr., '00

Benwell, George A., '89

Benjamin, Henry L., '09 (life)

Bergh, John E., '02

Berger, Albert, '05

Berry, Albert, '05

Berger, Albert, '05

Berry, Albert, '05

Berthoud, Capt. E. L., Hon. E. M.

Bertch, Henry W., '96

Berger, Albert, '05

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Claussen, Samuel J., Jr., '11.
Crow, Wade L., '01.
Craigue, William H., '89.
Cox, W. Ray, '02 (life).
Cox, Augustus D., '03.
Corley, Arthur V., '98.
Cline, Seymour F., '08.
Davey, William R., '98 (life).
DeCou, Ralph E., '01.
DeLorson, James E., '98 (life).
Dockery, L. A., '95 (1911).
Dittus, Edward J., '11.
Downer, Roger H., '01 (1911).
Downer Bros., Assayers and Chemists, 2244 Gaylord St., Denver, Colo.
Dole, Fred W., '03.
Draper & Gross, Mining Engineers, 1512 Central Block, Pueblo, Colo.
Drath, Michael, '95 (life).
Dreyer, Forrest S., '06.
Duncan, Frank M., Jr., '00 (life).
Krisko, J. M., '06 (life).
Kilgour, Hamilton, '05 (life).
Kingman, Jerry, '88.
King, Henry E., '03.
Kimball, Joseph S., '92.
Kimball, Harlow III, '04.
Koerner, Albert J., '06 (life).
Lannon, F. P., Jr., '07 (life).
Lampe, Oscar A., '98.
Knowles, William W., '06 (life).
Koerner, Albert J., '06 (life).
Koerner, Albert J., '06 (life).
Larison, E. L., '05 (1911).
Lennox, Luther W., '05 (life).
Libby, James L., '06 (life).
Limbach, Edmund C., '95.
Liddell, F. H., '97 (life).
Lemke, Carl, '00 (1911).
Lewis, Frank E., '01 (1911).
Lewis, Alfred S., '05 (1910).
Libby, James L., '06 (life).
Linn, Charles A., '06.
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Linn, Charles A., '06.
A page from "The Colorado School of Mines Magazine," featuring a list of graduates and their post-graduation careers and locations. The content includes names, years of graduation, and details about their professional affiliations and locations. The page emphasizes careers in mining, engineering, and related fields, with mentions of various companies and locations across the United States and Mexico.
24  THE COLORADO SCHOOL OF MINE MAGAZINE.

van Oosten, Edmund C., '99 (1911).
Civil and Mining Engineer, Box 52, Colo-
rado Springs, Colo.

Wagner, Hugh R., '01 (life).
Mining Engineer, Assoc. to Allen H. Rogers,
4123 7th Broadway, New York, N. Y.

Vaughn, Robert M., '04.
Denver.

Veiel, Gustave W., '11 (1911).
306 Castle St., Denver, Colo.

St. Nnugent Mine, Aspen, Colo.

Washburn, George J., '93 (1911).
351 E. Pike's Peak Ave., Colorado Springs,
Colo.

Cejada Sampling Co., Box 105, Victor,
Colo.

Wallace, Howard J., '01.
Wakuna, Nevada.

Wallace, Louis R., '01.
Superintendent Assaying, Phelps Dodge &
Co., Morenci, Ariz.

Wall, William D., '09 (life).
Boise Engineer, Connell Dev. Co., San
Francoisco, Calif.

Mining Engineer, 416 E. 6th, Denver, Colo.

Ward, C. G., '01 (1911).
133 Gilges St., Denver, Colo.

Warmecke, Carl M., '04 (life).
Assistant Electrical Engineer, Pacific Elec-
tric Ry., Los Angeles, Calif.

Wathorne, Howard, '04.
Manager, El Tiro Copper Co.

1116 E. 13th Ave., Denver, Colo.

Waltman, Will D., '99 (life).
Assistant Superintendent, Franco M. 
Deceased.

Watts, J. E. T., '11.
University Surveyor, Golden, Colo.

Wells, Benjamin T., '04.
3781 W. 33rd Ave., Denver, Colo.

Bucks, Box 156, Pullman, Wash.

Wheelwright, Howard J., '01.
1714 10th St., Greeley, Colo.

Deceased.

West, John R., '05 (1911).
1490 Stark St., Denver, Colo.

Western Mining, Arch Schade, Selma, Or-

Wheel, Charles E., '90.
Weber, Robert B., '93.
235 Tech St., Denver, Colo.

Weir, John A., '09 (life).
Weiss, Andrew, '99 (life).
310 E. Monument St, Colorado Springs,
Colo.

Weitzel, W. T., '98.
Assistant Superintendent, Co., Ltd., Central
City, Colo.

Weitz, Joseph J., '09.
Assistant Superintendent, Miami Min-
ing, Care Manuel Salcido, Caborca, Sonora,
Mexico.

Weiss, Franz, '04.
Thompson, James S., '99 (life).

Thomson, Francis A., '01.
Professor of Min. and Met., State CoUege
of Washington, Box 15, Pullman, Wash.

Thompson, James B., '99 (life).
Assistant Superintendent, C. P. F. and I. Co.,
210 Stack Blvd, Trinidad, Colo.

Thiers, Ernest E., '03.
2303 Emerson St., Denver, Colo.

Phelps Dodge & Co., 329 San Farnando Bldg., Los An-
erican Mining Law Lecturer, Car 25,
Broad St., New York, N. Y.

Wheeler, Robert M., '08.
Assistant Superintendent, Ojuela Mine,
Salida, Colo.

Wells, Frank B., '03 (1911).
Superintendent Smelting, Phelps, Dodge &
Co., Llano, Sonora, Mexico.

Wells, Malvern R., '98 (1911).
371 E. Bennett Ave., Cripple Creek, Colo.

Wedge, Howard H., '00.
Assistant Superintendent, Peru Mining Co.,
1045 Main Ave., Durango, Colo.

Weddle, Robert M., '08.
Assistant Superintendent, North Platte Project, U.

Weeks, R. M., '07.
Manager, Golden Cycle Mill.

Weeks, W. W., '07.
Manager, Golden Cycle Mill.

Weeks, C. G., '07 (life).
Manager, Golden Cycle Mill.

Assistant Superintendent, Ojuela Mine,
Compania Minera de Penoles, Ojuela,
Luis, Colo.

Weeks, W. R., '05.
2148 High St., Denver, Colo.

Weekes, Arthur C., '05.
325 Tavistock Rd., Golden, Colo.

Weekes, C. C., '11.
Assistant Superintendent, San Isabel Mining,
Mesa, Colorado Springs, Colo.

Weekes, W. R., '07.
Assistant Superintendent, Ojuela Mine,
Compania Minera de Penoles, Ojuela,
Luis, Colo.

Weekes, C. C., '11.
Assistant Superintendent, San Isabel Mining,
Mesa, Colorado Springs, Colo.

Weekes, W. R., '07.
Assistant Superintendent, Ojuela Mine,
Compania Minera de Penoles, Ojuela,
Luis, Colo.

Weekes, W. R., '07.
Assistant Superintendent, Ojuela Mine,
Compania Minera de Penoles, Ojuela,
Luis, Colo.

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Assistant Superintendent, Ojuela Mine,
Compania Minera de Penoles, Ojuela,
Luis, Colo.
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