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## State Safety News

February, 1918

EDITED BY S. C. DICKINSON

SAFETY ENGINEER, ARIZONA STATE BUREAU OF MINES



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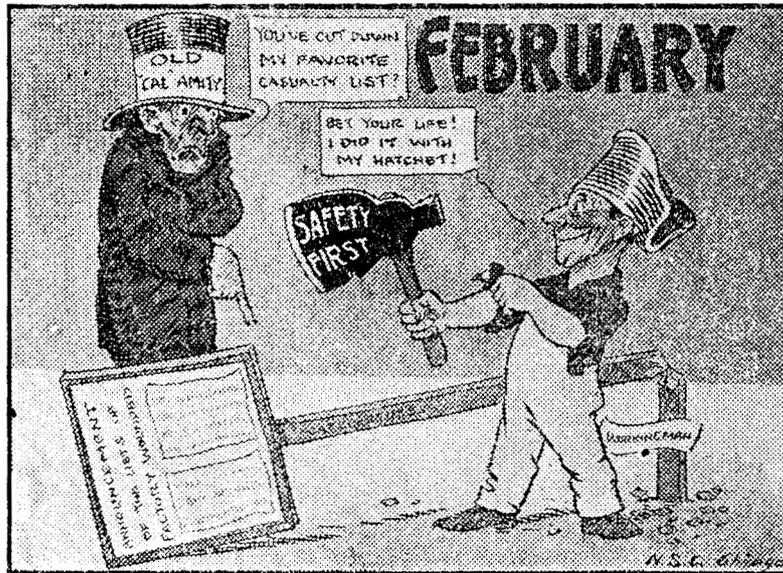
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## University of Arizona Bureau of Mines

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# *State Safety News*

*Safety* *Efficiency*

SAFETY SERIES NO. 27

FEBRUARY, 1918

## Who Was the Greatest Soldier in the World?

"Washington," "Grant," or "Stonewall Jackson," the American may answer.

"Napoleon," "Gustavus," "Frederick," "Garibaldi"—every nation has its ideal.

The greatest soldier in the world was the General who had a strong and well equipped army in the field and another in the shops and mines of his own country working and striving to do its utmost to help him to win his battles, backed by a patriotic people at all times doing their loyal best.

If the soldiers in our own industrial army are killed or injured in shops or in mines or on railroads, the men in the battle trenches may lose.

WE MUST BE CAREFUL, because so much depends on our skill and ability to do our part in the World's War for Liberty.

PROTECT YOUR HEALTH      AVOID ACCIDENTS  
DON'T TAKE CHANCES

—N. S. C.

The State Bureau of Mines has had reason to investigate an article, which was published in the December Safety News, entitled "Securing Interest in Welfare Work," by W. R. Howett, of the Hayden plant of the American Smelting & Refining Co. In this article Mr. Howett made some broad statements of the living conditions of that camp, and of the great reduction in the cost of living which he was able to bring about by buying in carload lots for the workmen of the community.

The Bureau of Mines understood that Mr. Howett was the Welfare Engineer of the American Smelting & Refining Co. at their Hayden plant, and considered that such an article coming from him would be official. Upon investigation, however, the Bureau has found that the article was written entirely without the knowledge or sanction of the company and that the conditions which Mr. Howett mentions were grossly exaggerated,—in fact, impossible to attain.

The Bureau wishes to take this opportunity to advise the public of its investigation and the result of the same.

The State Bureau of Mines has had several requests regarding a constitution and by-laws for a Mine Safety or First Aid Society. The Anaconda Copper Mining Company, through Mr. John L. Boardman, has organized one of the best Mine Safety and First Aid Societies in the country, and by permission of Mr. Boardman we publish herewith their constitution and by-laws:

#### CONSTITUTION FOR THE GOVERNMENT OF THE MONTANA MINE SAFETY AND FIRST AID SOCIETY.

##### ARTICLE 1.

###### *Name and Status.*

Sec. 1. This Society shall be known as the Montana Mine Safety and First Aid Society.

Sec. 2. This Society shall constitute the District Society and shall control all locals organized under its jurisdiction.

**ARTICLE 2.**

*Purposes.*

Sec. 1. The purposes of this Society shall be to provide for better social intercourse among its members; provide its members with training and means for intelligently assisting the injured and sick, and to prevent, in so far as is possible, accident, injury, and disease among the employees of Montana industries.

**ARTICLE 3.**

*Officers and Their Duties.*

Sec. 1. The officers of this Society shall be President, Vice-President, Secretary, Treasurer, Sergeant-at-Arms, and a Medical Director.

Sec. 2. The officers of this Society shall be elected by majority vote of the members at the last regular meeting of the calendar year, and shall serve for a term of one year, unless removed from office by a two-thirds majority vote of the members in a regular meeting, or by resignation.

Sec. 3. The duties of the President shall be, to preside at all meetings of the Society, oversee all business transactions of the Society, preside as chairman of the executive committee, appoint and instruct all committees and oversee their work, call all special meetings upon written request of seven or more members, and in general to run the Society as chief executive officer.

Sec. 4. The President shall have a vote only in case of tie votes.

Sec. 5. The Vice-President shall preside and perform the duties of the President in case of his absence, resignation or removal from office, and shall at all times have charge of the matter of supplies for First Aid practice and other working supplies, and shall also oversee the qualifications of candidates for membership.

Sec. 6. The Secretary shall keep all records of the Society, receive, present and reply to all letters and communications, keep the records of all meetings, members present or absent, transfers to other District Societies, etc.

Sec. 7. The Sergeant-at-Arms shall keep order in the meetings of the Society as directed by the presiding officer and shall attend the door of the meeting room to extend courtesies to members and visitors to the Society.

Sec. 8. The Treasurer shall account for all money of the Society, pay all bills when approved by the President, receive and receipt for all dues and money received.

Sec. 9. The Medical Director shall oversee the methods of in-

struction in First Aid and shall be an honorary member of this Society.

ARTICLE 4.

*Quorum.*

Sec. 1. Seven active members shall constitute a quorum.

ARTICLE 5.

*Membership.*

Sec. 1. The membership of this Society shall be of three classes: Active members, junior members and honorary members. The active members shall be those members who have completed First Aid training as evidenced by the proper letter or certificate as provided for in the by-laws. Junior members shall be those who are undergoing First Aid training and these may become active members by completing the First Aid instruction and undergoing the prescribed formalities. Honorary members who, on account of some particular beneficial service to the Society, have been elected to this position by a majority vote of the members in a regular meeting. Honorary members pay no dues or assessments and do not have the privilege of voting, but may have every other privilege of active membership.

Sec. 2. Junior members shall have all the privileges of active membership except that of voting, initiating new members and holding office, and may become active members at the first regular meeting after their application has been accepted.

ARTICLE 6.

*Committees and Trials.*

Sec. 1. The President shall appoint a standing committee of four members to serve during his term, and shall act as chairman and fifth member of this committee. This committee shall be known as the executive committee.

Sec. 2. The executive committee shall pass upon all matters involving changes in the constitution or by-laws, changes in policies, matters involving the raising and spending of funds, and shall sit as a jury to try all cases of charges of misconduct made against any member.

Sec. 3. In case the executive committee sits to try a member, accused of misconduct, the accused member shall have the right to choose another member from among the members present, and the President shall in this case have no voice in the matter but shall pass sentence as directed by the committee.

ARTICLE 7.

*Meetings, Regular and Special.*

Sec. 1. Regular meetings shall be held at least twice each month, at such places and at such times that at least one meeting each month may be available to each member without interfering with his regular employment.

Sec. 2. Seven members, including the President or Vice-President, may call a special meeting, but must see that notices setting forth the purposes of the meeting are posted in prominent places at least one week in advance of the meeting.

Sec. 3. Only such business as is specified in the call may be transacted at a special meeting.

ARTICLE 8.

*Conduct.*

Sec. 1. No person shall be permitted to attend a meeting of this Society in an intoxicated condition or to indulge in obscene, vulgar, or abusive language within a meeting of this Society.

Sec. 2. No member of this Society shall be allowed to indulge in personalities, defaming another's character or to make improper charges against any person during a meeting of this Society.

Sec. 3. No member of this Society shall be allowed to indulge in controversies regarding the operation of any mine, or in disputes involving questions of wages or working conditions or to interfere in any way with the operation of the mines or to indulge in political or religious discussions within the meetings of this Society.

Sec. 4. All charges of misconduct against a member, when such misconduct is alleged to have been done outside of a meeting of this Society, shall be made in writing and signed by the complainant and delivered to the Sergeant-at-Arms, who will present it to the executive committee for investigation.

Sec. 5. The punishment for misconduct or misbehavior, when such charges have been proved and sustained, shall be a fine or suspension at the discretion of the executive committee.

ARTICLE 9.

*Amendments.*

Sec. 1. This constitution may be altered or amended by a two-thirds majority vote of the members of the Society and the unanimous sanction of the executive committee at a regular meeting.

**ARTICLE 3.**  
*Committees.*

Sec. 1. Each of the specified objects of this Society must be taken care of by a standing committee of three, appointed by the President and responsible directly to him. These committees shall be named respectively, First Aid Committee, Health and Sanitation Committee, Social Committee, Sick Visiting Committee, Educational Committee, and Safety Committee.

Sec. 2. Any member of a standing committee may be removed by the President on proof of incompetence or neglect of duty.

Sec. 3. The chairman of each standing committee shall make a report to the President in writing on the work his committee has accomplished since the last meeting, at least three days before the date of each regular meeting.

Sec. 4. The President shall be ex-officio member of all committees.

**ARTICLE 4.**  
*Membership.*

Sec. 1. Any member of this Society may propose the name of a new member and furnish him with an application blank.

Sec. 2. Applicants for membership must sign the application blank and give it to the person who invited him to join the Society. The application blank is worded as follows:

"APPLICATION FOR MEMBERSHIP IN THE MONTANA MINE SAFETY  
AND FIRST AID SOCIETY

With a full understanding of the objects and purposes of the Montana Mine Safety and First Aid Society, I hereby make application for Junior-Active membership and if accepted I promise to conduct myself as becomes a member of such an organization and will obey all the rules and regulations of the Society.

I further promise to accept and perform all work and tasks assigned to me by the Society or its officials, in so far as my regular employment and my duties to my family will permit.

Yours respectfully,

Signature of applicant.....

Signature of sponsor....."

Sec. 3. The qualifications for active membership shall be good character, a knowledge of First Aid to the Injured, as evidenced by a Bureau of Mines or an American Red Cross First Aid certificate or a clearance letter from the A. C. M. Co. First Aid instructor.

BY-LAWS FOR THE GOVERNMENT OF THE MONTANA MINE SAFETY AND FIRST AID SOCIETY

ARTICLE 1.  
*Indebtedness.*

Sec. 1. No indebtedness shall be incurred by this Society.

ARTICLE 2.  
*Finance.*

Sec. 1. No expenditure may be made without the sanction of the executive committee and the signature of the President.

Sec. 2. Money may be obtained by dues, as prescribed by a majority vote of the members present at a regular meeting.

Sec. 3. No assessment may be levied except by unanimous vote of the members present at a regular meeting.

Sec. 4. New members, not qualified in First Aid, may be admitted as junior members and advanced to the rank of active members by obtaining a Bureau of Mines, American Red Cross First Aid certificate or a clearance letter from the A. C. M. Co. First Aid instructor.

Sec. 5. Non-payment of dues for a period of three months shall be considered sufficient cause for dropping a membership, provided the dues are not remitted by a majority vote of members at a regular meeting. Any member suspended for non-payment of dues may be reinstated upon payment of three months' back dues and one month's advanced dues.

Any member who wishes to leave this district may withdraw if paid up to date, by making written notice thereof, and in this case back dues do not accrue unless this member remains in this district during such period of withdrawal.

ARTICLE 5.  
*Amendments.*

Sec. 1. These by-laws may be amended or added to only by and with the approval of the executive committee, and when such addition or amendment is approved by a two-thirds majority vote of the members in a regular meeting.

ARTICLE 6.  
*Order of Business.*

Sec. 1. 1—Call to order  
2—Notation of members present.  
3—Minutes of previous meeting.

- 4—30 minutes First Aid lecture or practice, as prescribed by First Aid Committee.
- 5—Reports of committees with action on same.
- 6—30 minutes on material furnished by Social Committee.
- 7—Initiation of new members.
- 8—President's instructions to committees on work to be done.
- 9—Closing.

Sec. 2. Roberts' Rules of Order, when not in conflict with these by-laws shall be the official guide in methods of procedure in meetings of this Society.

*Criticism should be constructive and point out definite and particular remedies.*

#### “RAWHIDING” YOUR MEN

Every employer desires the active co-operation of his workmen. If each foreman is *considerate but firm* in his dealings with the men under him, he is generally successful in building up a shop spirit which means much in dollars and cents to his employer.

Grudges and grouches follow every effort of “rawhiding” on the part of foremen. Labor renewal is a serious handicap. Even under favorable conditions, the United States government reports indicate that the cost of breaking in a new employee is about \$45.00. Members of the National Safety Council report the cost of replacing certain classes of skilled workmen as high as \$250.00 per man.

Foremen who play favorites, or “baby” their men, are equally as disorganizing as the “rawhiding” species of overseers. A capable foreman, who understands his work and has a talent for handling men, is a valuable asset in any business.

Thousands of the young men in the shops and mines have been and thousands more will soon be called to the colors, and the patience of executives will then be taxed to the utmost. It will prove wise business foresight for plant executives to get in touch with their foremen in the near future, and plan for the coming fall and winter.

A remark dropped by a workman in the employ of a member of the National Safety Council a few days ago is worthy of serious consideration: “Did you ever notice that a cross dog is always the property of a mean man?”

If you have a “rawhiding” foreman it is time you were aware of the fact and get him right or get his successor.—N. C. S.

## WHAT WHISKEY DOES FOR THE RAILROAD MAN

It throws switches wrong, it reads orders wrong, it writes orders wrong.

It receives orders wrong. It calls red white, it never calls white red.

It makes caution orders without effect, it makes slow flags without color.

It makes one meeting point another, it makes wakeful men sleepy.

It makes duties dangerous, it makes hot boxes cold, it makes rough journals smooth.

It makes bucking rails straight, it makes broken rails whole.

It makes slow couplings fast, it makes hand lifters foot lifters.

It makes grab irons brake staffs, it makes foot-steps brake-beams.

It makes pilots and footboards death traps. It makes good men bad men. It makes duties dangerous.

It makes two limbs one, it makes widows and orphans.

It makes one life none, it makes careful men hazardous.

It makes accurate work inaccurate, it makes sharp minds dull.

It makes pleasant faces unpleasant; it makes good customers bad customers.

It is against safety—unsafety is its name.—GREAT NORTHERN.

*Perserverance is sometimes equal to genius  
in its results.*

## EAT TO LIVE—NOT LIVE TO EAT

*"If thou would'st enjoy a long life, a healthy body and a vigorous mind, bring thy appetite to reason"*—Benjamin Franklin.

A gentleman recently entered a dining car and ordered a meal. When it appeared, he seemed disposed to complain because of the small portions served, and even considered duplicating the order.

He was heard to remark afterward, however, that from habit, and because of a congenial companion, he ate slowly, enjoying each mouthful, and when he had exemplified the principle of "The Clean Plate," he was satisfied; that he returned to the sleeper feeling like a "Two Year Old," that he had a peaceful night's rest and awoke in the morning with a clear head, ready for a day's work.

*Moral*—Moderate eating not only leaves a larger portion to help win the war, but with clean living, insures good health, long life, greater efficiency and keener enjoyment of every task and pleasure.—CHESAPEAKE & OHIO.

## TEN TRADE COMMANDMENTS

At the plant of a prominent steel manufacturing concern in Johnstown, Pa., the following ten commandments have been adopted for the guidance of the employees:

Thou shalt have no other thoughts than thy work.

Thou shalt take no unnecessary risks, nor try to show off, nor play practical jokes, for by thy carelessness thou mayest do injury which will have effect unto the third and fourth generations to follow.

Thou shalt not swear nor lose thy temper when things do not go just right. Remember thou are not the only one on the job, and that other lives are just as important as thine own.

Honor thy job and thyself, that thy days may be long in employment.

Thou shalt not clean machinery while it is in motion.

Thou shalt not watch thy neighbor's work, but attend to thine own.

Thou shalt not let the sleeves of thy shirt hang loose, nor the flaps of the coat to be unbuttoned, as they may get caught in the machinery.

Thou shalt not throw matches or greasy waste on the floor, nor scatter oil around the bearings, as a dirty worker is a clumsy worker, and a clumsy worker is a menace to his fellow workers.

Thou shalt not interfere with the switches, nor the dynamos, nor the cables, nor the engines, nor anything else thou art told is dangerous! —NEW YORK TIMES.

*Milestones to the insane asylum—syphilis,  
booze and "dope."*

## EVERY MAN SHOULD HAVE A FIRST-AID PACKET

Every man who works in or around a mine should have a First-Aid metallic packet in his pocket or in his tool box near the working place; he may need it at any time for himself or for his "buddy" (partner), or for some man working near him. Nearly all mine bosses supply such a packet free; it weighs little, takes up little room, and may be the means of saving a life. It contains one triangular bandage and one medium-sized bandage compress, both clean, dry, and ready for use. *Do not touch the First-Aid packet until just before using it, and do not put your hands or anything else on that part of the clean cloth that is to cover the wound.*

*Whatsoever ye would that men should do  
to you, do ye even so to them.*

## YOUR SPARE TIME

What do you do with your spare time? Are you satisfied with your present station in life? Do you want to get ahead? These and similar questions come to all of us as we go on with our daily life and if any of us are at all ambitious these questions are answered by devoting all spare time to bettering our conditions in life principally by extending and developing our education.

Go to your local high school and enroll in some of their classes

Use your spare time to advantage!

Be ambitious and get ahead!

We are reproducing a letter of application received by us a few days ago. It is not intended to show anyone up, it is not our desire to make sport of anyone. Yet those of you who read it can readily see the advantage that may be gained from attending the evening classes. And this is only one of the many such letters that we receive daily:

"Dere Sir: As sir i haze Ben in formed Bye Mr. Ma Kean that you ware short of help and wanted quite afue Men and Wages Ware good he sede you Pade 3½ a Day and up a cording to What you Doon let Me No What Wages are and What Rent is and What Woode Bye the lode is from the saw and if the Work is stedy the year Rond i am thinking of trying to get work if the Work Wood Paye i Wood like to try it a year ore to if it Wood Paye Me to Move My family i Wood like a suficient Place for too coves and Wood like to get Worke for team all so in yard and a place for 2 ore 3 shots ore a barn suficient."

*We'll never get anywhere unless we think some.*

## HER TURN

Smith got married. The evening of his first pay-day he gave his bride fourteen dollars of the fifteen-dollar salary and kept only a dollar for himself.

But the second pay-day, Smith gave his wife one dollar and kept fourteen dollars himself.

"Why, John," she cried, in injured tones, "how on earth do you think I can manage for a whole week on a paltry dollar?"

"Darned if I know," he answered. "I had a rotten time myself last week. It's your turn now."—TOPEKA STATE JOURNAL.

*Be sure you need what you buy.*

## HINTS FOR SKINNERS

BY T. F. REILLY, MOUNTAIN CON. MINE—A. C. M. Co.

Don't ride a trip comprising less than three cars. A one or two-car trip is very easily wrecked.

Don't hitch the horse to the trip until all the cars are properly chained; the horse may start while you are chaining them and give you a bad squeeze, either between the cars themselves, or between the cars and drift timbers.

Don't attempt to ride a loaded trip without making a safe place to sit; a sudden lurch of the car may throw you off.

Once the trip is started, don't look back until you bring the horse to a stop. Looking backward while the trip is in motion may cause you to be knocked off the trip by a chute mouth, or low cap.

Don't ride the tail chain, or door end of a car.

Don't drive without a bit, and always keep a tight rein. A tight rein will prevent your horse from stumbling and help you to maintain your balance on a loaded car.

Don't haul powder or caps to the magazine, use a truck, or car, and push them in by hand.

Have an understanding with men who are trucking timber, so as to avoid the danger of a collision.

Ride your trip in such a manner that you will be able to cut off the horse at the least sign of danger.

Don't beat or excite your horse; gain his confidence, and he will do all he can.

Men passing a horse, or mule, in a drift should attract the beast's attention by speaking gently to him, and should walk easily; don't rush by him.

*The trouble with most of us is that we  
do too much social eating.*

## MAKING HIMSELF AT HOME

Doris was radiant over a recent addition to the family and rushed out of the house to tell the news to a passing neighbor.

"Oh, you don't know what we've got upstairs."

"What is it?" the neighbor asked.

"A new baby brother," said Doris, and she watched very closely the effect of her announcement.

"You don't say so," the neighbor exclaimed. "Is he going to stay?"

"I think so," said Doris. "He's got his things off."—NEW YORK TIMES.

## DON'T GO HOME DIRTY

Don't leave the mine at the end of your turn with dirty hands and face or in your working clothes. When you quit work wash up, and put clean street clothes on. Don't think that you haven't time, for you will do it at home, and it will take no longer to do it at the mine than it will at home. You will feel better and look better. When you come to work put your street clothes into your locker. Put on your working clothes and change again when your day's duty is done.

Take a good shower bath and shampoo. It will knock out that tired feeling. Keep a clean towel and some soap in your locker. A small brush and some mechanics' soap will take that dirt off your hands. Those wash basins and showers have been put there for your use. Show your appreciation by using them and taking care of them.

*Practical application of common sense will advance the happiness, welfare and prosperity of both employer and employee.*

Happiness is a by-product.

We can't buy it because it has no price.

Some people try to purchase happiness by getting drunk; others build fine houses, and some travel around the world.

But the goal is as elusive as the horizon.

The main issue in life is service, and happiness is incidental to service.

To try to win happiness from the world without serving the world is like trying to distill gasoline from water instead of from crude oil. It can't be done.

The contractor who erects an honest, substantial building wins happiness.

The statesman who forwards the cause of humanity wins happiness.

The judge who reads the law in the light of common sense wins happiness.

Those reckless fellows who balance themselves on four-inch beams, ten stories above ground, and toss white-hot rivets back and forth, win happiness.

The law or happiness is as inexorable as the law of gravitation.

Without service there shall be no happiness, says Nature.

And it's a good law, too.—W. S. T. Co.

*There are two values in every purchases  
What it saves and what it costs.*

## PATRIOTS

W. S. NORTON\*

Our boys they'll fight in the trenches—  
And our miners they'll toil in the deep—  
These are the nation's patriots—  
And the fame of Old Glory they'll keep.

Our boys, the gift of our mothers,  
To the land of the brave and the free—  
They'll fight in the trenches as brothers,  
In the lands far over the sea.

And the miner all smeared and blackened,  
As he goes to his work in the pit,  
He can feel that he isn't a slacker  
For he, too, will have "done his bit."

And when this great war is over,  
And they've shown they were ready and fit,  
Then no one can say they were slackers—  
For all will have "done their bit."

\*A former employee of the Lehigh Valley Coal Company.

*We can't all be learned and great, but all  
of us should be wise enough to keep clean.*