

ARMS AND
THE MAN

TRAINING THE FEUDIST FOR HUMAN TARGETS

LITTLE TALKS ABOUT TEAMWORK

THIRTY YEARS AGO ON THE FIRING LINE

THE ZETTLER 100-SHOT CHAMPIONSHIP

AND

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NATIONAL GUARD

VOL. LXII, NO. 1




MARCH 31, 1917



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ARMS AND



THE MAN

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Drilling the Feudist for Human Targets

By FELIX J. KOCH

YES, indeed, some good can come out of Nazareth.

Nazareth, in this particular instance, is a quiet little glen in a pocket of the wildest mountains of south Kentucky.

You, who would visit Nazareth, would stand enchanted by its rugged beauty; you would want to pose each mountain man, as he drove by with his ox-cart; you would want to chat with every sun-bonneted mountain girl; you would want to "loaf" around each quaint log-cabin, 'till you had just the proper focus for the picture for your camera; and then, quietly and none the less firmly, some old mountaineer would come out, gun in hand, greet you with the title *stranger*, and bid you, quietly, yet firmly, to move on!

Startlingly strange, is it not, when you've read so much of the hospitality of the mountaineers of Kentucky?

You wondered 'till, up at Lincoln Memorial University, near Harrogate, where they are educating the new generation of these mountaineers toward better things, they told you that the man who sped you on was an outpost for all the clan, and took you for a "revenuer"—one who is engaged in spying the moonshiner from his den; or, more probably, some state detective getting evidence for the trial of some killing in a recent feud.

Lovely, peacefully, picturesque south Kentucky hillsides! How quiet and how restful it all is here! You would like...and just then, a bullet whistles through the air and a squirrel, or a black-bird, falls at your astonished feet. It's the old fellow with the gun who sent the death angel, just to show you that, old that he may seem, he is still a dead shot and, incidentally, you had best heed and beware!

What is bred in the bone will out in the flesh and in all the land today there is no such shot as the Kentucky mountaineer.

Fancy a strain that runs back, back, back, to the time when the first onward wave of migration struck 'cross the mountains, near the dawn of the last century, and settled in these upland pockets, and whose exponents have practised sharp-shooting ever since. Recall that, long before that American migration, ancestors of these men were partisans in the feuds of Scotland, and were bred to the use



The Old and the New Generation in "Bloody Breathitt"

of weapons for the protection of the clan. Remember that, from the time the first ancestor came to our land, each mountain family has depended upon the rifle for its meat; that today the trusty rifle supplies the larder with hare and squirrel, 'possum, sometimes bear and deer, to say nothing of the quail, wild turkey and other fowl. Knowing this, one does not wonder at the

aptitude of the mountain men in handling fire arms.

Today Uncle Sam has found chance to put this hereditary predilection to use. Human beings may be the eventual target, should the big republic get into war with the Central Powers. The skill evidenced by these men from Breathitt, while in national guard, under Federal service of course, has indicated that from their ranks a magnificent body of sharpshooters might be selected.

Out at Ft. Thomas, on the Kentucky side of the Ohio, just across from the Queen of the West, there have just been mustered out of the Federal service and

back into that of their own state of Kentucky, these men from what is long known as "Bloody Breathitt," the feud-land of all the civilized world.

Before ever they took to the colors, before they even entered the state guard, many of those men had a trick of tossing a cap in air and shooting a hole or two in it before it came down.

As lads, down there in "Bloody Breathitt," they could pick out a given leaf at the tip of a given stem to some tree, shoot and bring it down.

When, now, it came to doing service for the government; when Villa's activities on the border threatened warfare, very naturally they volunteered to shoot for Uncle Sam.

Of course regulations required that they go upon a rifle range, where was set up an inanimate target at which they were bidden to shoot.

What? At that simple, black disk away off there across the flat mesa? Did Uncle Sam take them for children? Why, a man could lay on his back, close his eyes, take the gun and hit *that!*

Take account of a wind between? Take into account effect of light, as the sun shifted in some cloud-banks?

Well, no disrespect to a superior officer, Sir, but down

in Kentucky, when you're sighting a deer 'cross the valley—an animal fleet-er almost than a bullet and apt to scent you, spy you, like a shot—there isn't much time to fool with wind and light, if you want venison for supper.

Why, when they heard the Federal regulations as to what should constitute a sharp-shooter they took them as a good joke, as it is necessary to make only a score of 190 out of a possible 250, or say nineteen out of twenty-five. Let us see.

Let's suppose, friend inspector of target-shooting, that this evening, as you came up-trail with your grist from mill, you saw a suspicious someone darting through the trees ahead. A turn of the trail and you recognized one of the Barr boys, with whom your clan has been at feud for decades—and that instant he was sure that the awaited rider was you. Well, if you had five shots in your musket and wasted one to start with, you could rest assured you'd never live to use the rest.

Just to think of it, thirty-six shots in a hundred and fifty wasted! Not by your Kentucky mountaineer!

They tried him at a distance of eight hundred yards; they tried him at a thousand; but he wouldn't miss. They gave him rapid-fire at six hundred yards; but when a man has been in a feud war, with guns pumping at every hand and a bit of scalp exposed from behind a tree means shoot or the owner shoots you, what is rapid-fire at a mere six hundred yards?

The experts looked puzzled.

At Ft. Thomas they tell us today that, speaking very roughly, if you take the first one thousand "rookies" who present and try them out for sharp-shooting, you'll be lucky if there's ten to qualify. Out of Ohio, where the famous Squirrel-Hunter Brigade has left its descendants since Civil War times, you can get men who still can bring down a squirrel from a limb, because of endless hunts for such. But, put them to the army test; have them practise in barracks, in gallery, out on the range, and it's different; while, come war and the target some enemy's spy and their nerves go to pieces and they'd not hit the target.

With these mountain men of Breathitt...well, now, don't be too hard on them—they may save us, one and all, before long!

These mountain men of Breathitt will never fire on their deadliest enemy, so long as he has a child along—they might, by some mishap, unknown to their long practise, harm the child. They would not hurt a woman—do she what she can against their clansmen. They will not stoop to kidnapping; they do not burn down cabins at night, as "night-riders" do in North Kentucky.

They give a fair and full warning;

that is to say, for some offense, they part enemies and the word goes that the "feud is on".

Each side thereupon expects to see killings all about them; each side knows it is "shoot on sight" or I'll shoot you. Each side knows the trails, and the country, how to avoid the other on the ways. The public sentiment is all for it and to go out and shoot a passing rival clansman is far from being a crime to the Kentucky mountaineer of the past generation.

We recall one Spartan mother in the mountains telling, as we discussed her son, then in prison awaiting trial and perhaps death for shooting in a feud:

"When the news come that he'd got his man, I went down on my knees and thanked God fer givin' him the strength to do it!"

Now, when a mother talks like that—when children draw the milk of hate for the rival clansmen from her breast, when wee toddlers take some empty gun and pretend they are shooting "them Roosa's"—really, what can you expect?

Boys come to the village schools, the little, pitiful, one-room academies, often bringing their guns along. On the way 'cross mountain they may bring down a wild dove and, come recess, they pluck it and give it to teacher.

In the nooning, they may go out on the pike and, setting a chalk-mark on the rail fence, take turns seeing who can hit the X in it. Meanwhile the mountain girls look on and cheer, or jeer, and spur them on to new efforts.

Come a rain and they gather on the stoop and they tell of this, or that, killing. They never discuss any particular feud, to do that might be to criticise and thereby start "feelin'"; but they can tell you where so-and-so fell, how such-and-so was ambushed; no end of stirring tales.

On the way home, its a lad's bounden duty to bring in some game; if he don't, he and all the rest will have no supper and so there are hunting parties there in the woods that would baffle every sniper in Europe.

The elemental passions run strong and they marry young, do these mountaineers and they set up the cabin on the next mountain. Sometimes Romeo and Juliet are of rival clans; fell in love at school or church, and have courted clandestinely ever after. Then, when the word is given that they're betrothed—sometimes they elope and are wed—well, the young couple arrange a big peace-meeting of the clans, and the feast is spread and all the clansmen come; but they stack their guns together, outside the new cabin door and shake hands and fraternize and that feud is at an end!

Instantly thereupon, even as Holy Writ would have it, "thy people become my people," and, to paraphrase,

"thy wrongs my wrongs". Instantly, thereupon, should the Blacks and the Browns be allied thus, and you shoot a Brown on a feud grudge, you can rest assured that you've not only all the Browns to 'ware, but all the Blacks beside. Not for the present alone, this; but on and on and on, to how many generations and what remote kinship no man may know; 'till, somehow, the feud is brought to end!

And from such conditions springs this marksmanship par excellence;—born, inbred in the mountaineer here. Thanks to this, the safe reliance Uncle Sam may give these mountain sharpshooters, should he need.

They have come from their mountains; been trained at Ft. Thomas; then sent traveling to the Mexican frontier. Now they are back, honorably discharged, and returned to their mountains.

But the big outside world has had its effect and they are no longer the same mountaineers. They have found that the big outside world doesn't settle its private quarrels with shot; that even the President waited and waited and did not fire his cannon at puny Mexico, whom they could have wiped out over night. Again, they did not like it a little bit when it became chronic that men everywhere, from every state in the Union, hearing they were from Kentucky, asked if Breathitt was really the scene of such unquenchable bloodshed and why the governor was powerless to put an end to such murder as feuds. Queerly enough, men didn't glorify a fellow because he had killed so-and-so many clansmen in feud.

Now they are carrying that word back to the mountains and the leaven will spread near and far.

Again, they are carrying another word—that we may have to fight Germany, Austria-Hungary, shortly; that Mexico will seize the chance to revolt, that Japan may help her, that Uncle Sam must be prepared. The honor of Breathitt is at stake to provide sharpshooters—incidentally every sharpshooter gets an extra \$3 a day beside. So out and away, to shoot fresh "matches"—and, again, with chance of human targets in the prospect—these, though not the rival clansmen of the mountains, but the leaders of some brutal foreign foe.

AT THE MANEUVERS

"Bang!" went the rifles at the maneuvers. "Oo-oo!" screamed the pretty girl—a nice, decorous, surprised little scream. She stepped backward into the arms of a young man.

"Oh!" said she, blushing. "I was frightened by the rifles. I beg your pardon."

"Not at all," said the young man. "Let's go over and watch the artillery."

Little Talks About Teamwork

By CAPTAIN G. K. SHULER, U. S. M. C.

Before another month has passed, rifle clubs in every state will be busy on the range, trying to perfect a team which will merit entrance in the big Jacksonville Shoot next summer.

Captain Shuler's discussions should benefit every Captain who is tackling this problem, for the author knows whereof he speaks. He has had wide National Match experience. He has assisted in the operation of the world's largest range at Guantanamo, the range at State Camp Florida, and has had charge of the Marine Corps Range at Winthrop, Md. While serving in this latter capacity, Captain Shuler was in command of the small arms coach school at Winthrop, from which has been graduated the hundreds of expert instructors now distributed through the United States Navy.

No. 1—THE GENERAL PLAN

WHY not begin to organize a bit and start the wheels buzzing for a Number One Team to carry the colors of the home state in the big shoot this year?

A shooter who has aspirations to be one of the chosen dozen ought to start right now and keep it up. It is not too early. Some of the real old boys keep in training all year round.

You don't have to get out on a range to keep your hand in; take your rifle out in the back yard or in the parlor if the weather is bad, adjust the sling, get in the various positions and snap in a few times. Do it every day. Make yourself a small target, tack it on the side of the woodshed or the fireplace. Don't worry whether or not it is drawn to scale—a target is nothing except a point to aim at, and if it is at a convenient height, that's all that is necessary. It does no harm to a military rifle to snap the trigger; take the gun apart and see for yourself. The mainspring is spiral; it is made that way so it won't wear out, and if you should happen to break the firing-pin striker, buy yourself a new one. Your rifle is strongly built as it has to be. Any piece of mechanism that will stand forty thousand pounds pressure to the square inch, won't be worn out by a little "snapping in."

When you become a little tired or your eyes begin to water, try these exercises a few times: Stand with your feet well apart, take the gun in both hands, hold it horizontally at the height of the chest, one hand at the small of the stock the other about half way out toward the muzzle, extend to full length of the arms forward, then back; up and down, then up and down to the back of the neck; up and then swing down to height of the knees, turn on hips, push to one side, then the other. These exercises hit all the muscles of the body that should be developed in order to make your holding steadier.

To be a good shot you have got to learn to hold. I don't care what else you

can do with a gun, if you can't hold you can't be on my team. If you get to hold 'em the way you should, don't worry about the rest of it; that can be pounded into you. Wind and mirage dope can only be learned by the experience of shooting on the range; the final polish of the holding will have to be worked out in the actual firing, but it can be learned any place where you have room enough to stretch out.

If I were going to train a team this year I wouldn't care whether they fired a shot the first week. If they got off by themselves and shot all right; the more the merrier, but I would not begin their range training until I had had them together for a few days.

The way for the team captain to start is to assume that he is the only one that knows anything about the game and that every man in his squad is absolutely green. Make each man take his rifle apart and reassemble it, name the principal parts and then have each man name these parts as they are pointed out, explain how the gun works, what makes the bullets go, why they rotate, why sights have to be set, why windage is taken, go over the rules for sight setting, and give a few problems—easy ones at first. That is plenty for the first session. Then have a "gettogether" talk. Let each man ask all the questions he can think of on what has been gone over, then go to the cleaning rack—if there is none build one—and demonstrate how a rifle should be cleaned and cared for.

The next lecture should deal with sight setting. After a man has been told why it is necessary to set sights it is not hard for him to work out the problems you give, using diagrams on a blackboard if possible to illustrate the effect of changes in elevation and windage at the various ranges.

It is then time to go out in the open and show the team the proper way to hold the rifle in each position. Take each man individually and put

him through it, make him start from the first and do it correctly, note the little points. The things that usually come hard to a new man are a tight sling, getting the left hand all the way out to the lower band swivel, and keeping the left elbow directly under the rifle. Other points are cheek hard against the stock, thumb along and not across the stock, keeping rifle plumb, breathing naturally and then holding the breath while aiming. Teach each man to squeeze the trigger and not yank it. This is done by squeezing the whole hand as you would squeeze out a sponge. Emphasize the value of calling the shot, never let a man fire a shot or snap at a target without calling out immediately where he was aiming when he squeezed the trigger, it's a habit every shooter should acquire and never get too old to do; *it's one of the big rules of the game.*

After this session get all hands together for the talkfest, never go a day without this gathering, every one should be encouraged to speak up and tell the others his experiences, what he finds difficult and how he thinks these difficulties should be overcome.

From the start impress upon your squad that firing the rifle is not the whole of the shooting game. A national team man ought to be a fellow with all the dope, and after the match he ought to be an instructor capable of taking hold and next year training a team of his own.

Too many men who are sent to the big matches, go and do as they are told, and come away having learned nothing but to get the bullets through the target. This knowledge is too often impressed on them in a way so mysterious that they believe the thing to do is to keep it to themselves.

The third session may be taken up with a talk on winds and mirage. Find out the best dope you can on this important subject and tell them all about it, follow this with the holding drill.

(Concluded on page 7)

BOOK REVIEWS

JUST at present many publications are being offered as especially adapted for use by those undergoing training for appointment in the Officers' Reserve Corps. Three such books have been recently issued, within the pages of which is contained much information of value to him who expects to fit himself for military field service.

The three books are: Extracts from the U. S. Army Regulations, Military Sketching and Map Reading, and Field Sanitation.

Extracts From U. S. Army Regulations

Printed especially for the use of those expecting to stand examinations for appointment in the Officers' Reserve Corps, the Extracts from the U. S. Army Regulations, published by Burdick and King, New York, are remarkably well arranged. Such subjects as Military Discipline, Precedence, Command, Desertion, Extra and Special Duty Details, Honors, Courtesies and Ceremonies are treated adequately, yet concisely presented. The volume is of a size which fits the pocket of an army shirt.

Field Sanitation

A fourth edition, revised and brought up to date, of Major James Sprigg Wilson's volume on Field Sanitation has recently been issued by the George Banta Publishing Company, of Menasha, Wisconsin. Major Wilson's book deals with every phase of camp-making, including: Camp Diseases, Personal Hygiene and Clothing, Water and Its Purification, Subsistence, Wastes and Their Disposal, First Aid, and Sanitary Service in Campaign.

The little volume is illustrated by a number of photographs and diagrams which add greatly to its value as a practical hand-book on the subject which it treats.

Problems in Troop Leading

Prepared by the Department of Military Art, United States Army Service Schools, and published by the Press of the Army Service Schools, Ft. Leavenworth, Kan., "Problems in Troop Leading" is an attempt to outline the troop leading of an infantry division as part of a field army in attack and in defense.

Most of the work of offense has been taken from the five principal troop-leading problems solved by the Line Class in the spring of 1913, rewritten to conform with changes in regulations since that time. That part of the book

dealing with defense has been adapted from a series of seven troop-leading problems solved by the Line Class in 1915, and amplified by the addition of a study of the leading of an artillery brigade.

Military Sketching and Map-Reading

From the press of the United States Infantry Association has appeared a volume entitled "Military Sketching and Map-Reading," by Captain L. C. Grieves, of the Infantry.

The book was prepared by the author with a view to meeting the requirements in this subject of the curriculum prescribed for educational institutions operating under provisions of the War Department, and also to meet the requirements prescribed in the examination of candidates for commissions both in the regular army and the Officers' Reserve Corps.

STATE CAMP RANGE TO BE ENLARGED AND IMPROVED

COL. S. W. MILLER, Director of Civilian Marksmanship, has returned from a ten days' thorough inspection of the State Camp Range, Jacksonville, Florida.

While there, the Director of Civilian Marksmanship, accompanied by the new Adjutant General of Florida, made a careful and detailed inspection of the reservation.

In view of the fact that the rules to govern the 1917 National Matches authorize the attendance of approximately 160 rifle teams, the investigation showed that considerable work will have to be done on the State Camp Range before the great number of shooters, range officers, markers and pit operatives can be accommodated.

It is thought that it will be necessary to construct fifty or more additional kitchens, enlarge the mess-hall and the Quartermaster's storehouse, and to greatly improve the water system by replacing small mains with larger ones. The addition of a number of targets on the firing line, in order that the teams may be accommodated without congestion, is also believed to be necessary.

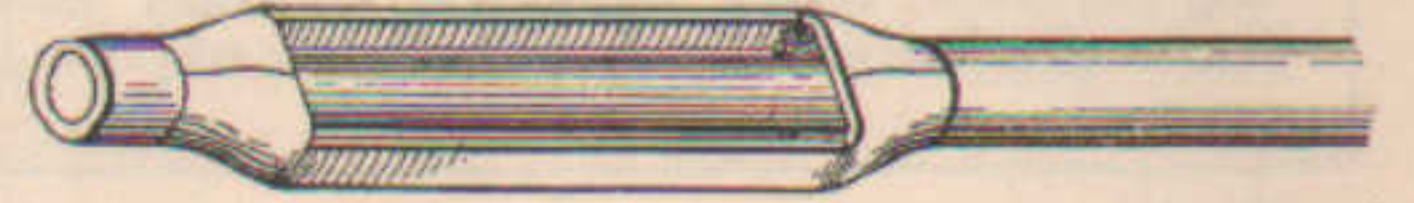
All of these improvements are considered feasible and the Adjutant General of the State is willing to co-operate with the Government in every way possible, to the end of putting the range in shape to meet the requirements.

The improvements contemplated for State Camp, Florida, will not only prepare the range for the National Matches, but will make the reservation available as an excellent mobilization camp site. It is the only rifle range of any considerable size in the Southeastern Department.

It is understood, however, that before a definite decision is reached by the War

Department upon the question of the site of the next National Matches, the Director of Civilian Marksmanship will probably make an inspection of the range at Camp Perry, Ohio, and of the range at Sparta, Wisconsin.

The recommendations made as the result of these trips of inspection will, so far as the War Department is concerned, probably determine the place for holding the 1917 matches.

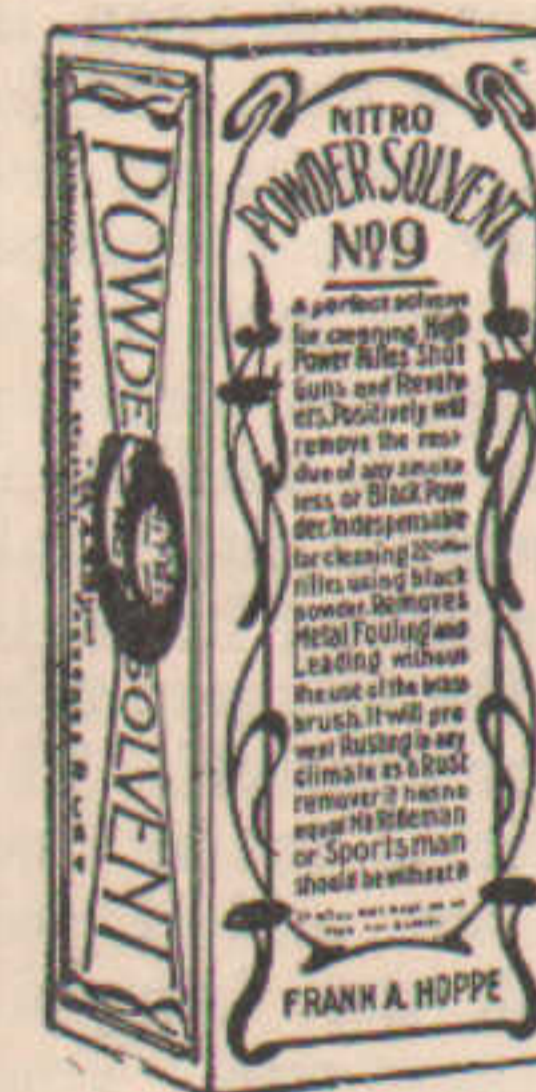


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Thirty Years Ago On the Firing Line

Being short sketches of men who a generation back burned black powder; hand-loaded their own shells; seated bullets apart from the cartridge which contained the charge; made high offhand scores on the Creedmoor target, and kept alive, for posterity, the art of marksmanship.

No. 1—Col. W. E. FITCH

WITH a Wesson, a Sharp, a Ballard or a Remington rifle, he was equally accurate. He delighted in any caliber ranging from .35 to .50. He seldom used the same gun on successive occasions, or the same weight bullets. His powder charges invariably varied.

His habits upon the firing line were the despair of sundry gentlemen who after years of experiment had selected for individual use a particular rifle, caused it to be especially chambered, developed for use therein what each believed to be "the perfect load," and refused to be moved one jot or tittle therefrom. Yet the scores hung up by Col. W. E. Fitch in the black powder days of long ago, were also the envy of these same, precise gentlemen.

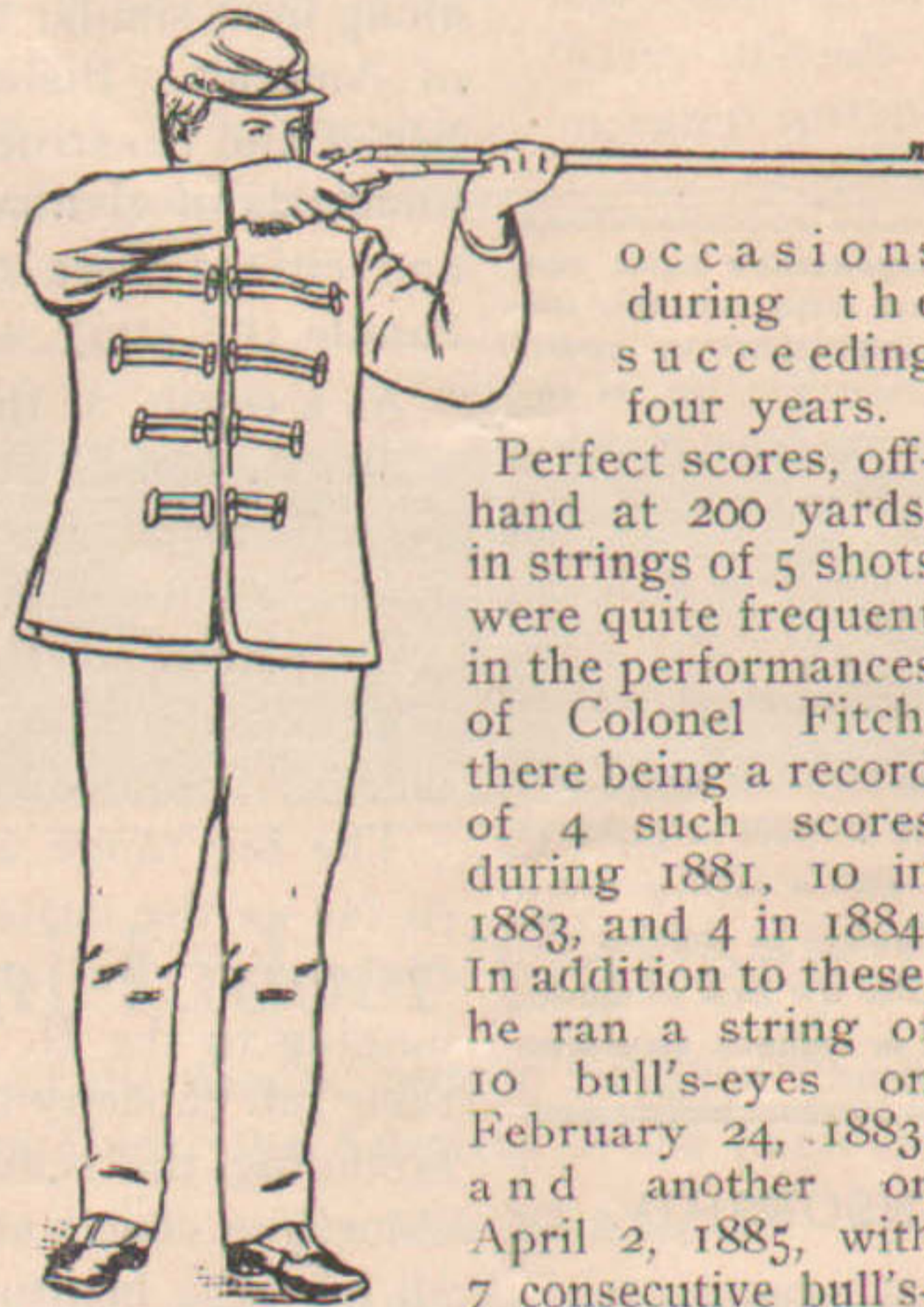
A generation gone, when the Creedmoor target blazoned forth from every range instead of the now-familiar A, B and C targets, and when a firing line was a "firing point," Colonel Fitch was well known and his skill was highly thought of in the shooting game.

From a boyhood spent around Albany, during which his father inculcated in him the love of marksmanship, W. E. Fitch entered the military, and during the Civil War evidenced a high degree of skill with the old Enfield rifle. With the formation of the National Rifle Association of America, he became interested not only in military rifle shooting but in competitions where civilians participated as well.

He gave the impetus to the rifle movement, which in Albany, resulted in the establishment of the Rensselaerwyck Range, and rapidly forged to the front as an unusually expert offhand marksman.

"Possibles" were not so frequent with the old heavy charge black powder weapons as they are today with more improved rifles, especially since the sling had not then come into use as an aid to steady holding.

Notwithstanding the handicaps under which the rifleman of thirty years ago labored as compared with the flat-trajectories, and high-powers of the present, Colonel Fitch, on February 24, 1883 at the Rensselaerwyck Range established a record of 20 consecutive bull's-eyes, offhand at 200 yards, a feat which had never before been equalled and which was surpassed only on two



Colonel Fitch at the firing point, from an old cut

occasions during the succeeding four years.

Perfect scores, offhand at 200 yards, in strings of 5 shots were quite frequent in the performances of Colonel Fitch, there being a record of 4 such scores during 1881, 10 in 1883, and 4 in 1884. In addition to these, he ran a string of 10 bull's-eyes on February 24, 1883, and another on April 2, 1885, with 7 consecutive bull's-eyes on August 5, 1882.

When Colonel Fitch became first identified with target shooting, far more than at the present time did personal idiosyncracies enter into firing-line customs. Charges were determined by personal preference. Bullets were seated in the shell containing the charge, or just in front of the shell in the barrel, according to which the marksman believed would bring best results, and the positions in holding the rifle ranged through a long list of postures from the so-called "hip-rest position," the barrel supported almost at the balance on the tips of the fingers, to the prone-on-the-back position of T. J. Dolan, which closely approximated that of the Bisley marksman.

Colonel Fitch, however, coming from a military training, used almost uniformly the military offhand position with slight variations, believing, for his particular requirement, the hip rest was neither safe nor sure.

Colonel Fitch began his shooting career, so far as rifle match shooting was concerned, in long range matches, but after a short time came to the conclusion that he would succeed better on the 200-yard range.

In a contemporaneous interview, Col. Fitch said:

"I believe that the offhand shooter

who would succeed, must use one gun, though I do not practice what I preach, for I use a Wesson, Ballard, Maynard, Sharp and Remington, and all calibers from .35 to .50, and seldom use the same gun twice in succession. I use different weight bullets, and different charges of powder in the same caliber gun and seldom need more than a couple of shots to be ready to commence a score. Generally seat the bullet in the gun and then the cartridge case, though frequently seat the bullets in the shell. Have torn patches from bullets, shot them from the gun base first; done all sorts of irregular things, and still made good scores. The day I made 48 at 300 yards, I shot the score with a naked bullet weighing 30 grains less than those I had been using and did not change the elevation."

Colonel Fitch was unusually skillful in shooting off ties, as he was frequently called upon to do, his skill apparently being at its zenith when competition was keen.

Only in one particular was he ever consistent. He used but one type of front sight, an open bead with the aperture fitted to show the butt distinct. He had no use for the Swiss butt, always preferring one almost plain and flat as that of a shot-gun.

TALKS ON TEAMWORK

(Concluded from page 5)

Have this holding drill twice daily. At the next period take up the rules for the match and the official program. Now put your entire team in the butts a half day as volunteer target pushers for the other fellows and then they are qualified to be given real bullets and sent forth.

All that is necessary for a team captain now is to see that the boys follow out instructions. Every night have a council of war. Make every man tell all he has heard, find fault with it, condemn or adopt it, but always discuss it fully. Get acquainted with every one you can, remember the officials of a match are there to serve the shooters. Go to them; they want you to. Do your own little bit to help them, you may not win the match but your work will not have been in vain.

ARMS AND THE MAN

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EVERY SATURDAY

Editor

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That the man shall serve his country in time of war is noble, brave and patriotic; but that a man shall properly prepare himself in time of peace to serve in war is all of these things and more. It is noble with a nobility which is real, not ideal. It is brave with a bravery which assumes in time of unemotional peace many burdens, among them that of bearing the lack of appreciation of those who do not consider military preparation or training necessary.

THE PRESS AND MILITARY CENSORSHIP

OFFICIALS of the War, State and Navy Departments following a conference with the heads of the Press Associations of the United States, are engaged in drafting regulations which, in the event of war, will constitute the press censorship of the United States.

At the conference each of the representatives of the associations bound his organization voluntarily to refrain from printing anything which might endanger the defense policies of the United States. It was the sort of answer, to the government's inquiry as to what the press was willing to do, that might have been expected by all who know the true confidential conditions under which most newspaper men work in the nation's capital.

Comes, however, Frederick Palmer, war correspondent and the only accredited representative of the American press on the Western Front in Europe for more than two years. In a conference with the members of the army general staff recently, Mr. Palmer counseled the appointment of a chief civilian censor, with army and navy officers for assistants, and the publication of all possible details in connection with the Army.

Inasmuch as the Army must be recruited from the people, Mr. Palmer declared, the people must be recognized as part of it and must be given any information which would not be of military value to the enemy.

Mr. Palmer's conclusions appear to be unusually clear sighted. If the War Department had five years ago undertaken a sane and carefully planned campaign of popularizing the service, there would exist in the ranks no shortage of personnel today.

THE BRITISH N. R. A. AND THE WAR

IF ANY there are who doubt the value of fostering civilian rifle practice in time of peace, such have but to glance over the annual report of the British National Rifle Association to discover that the years which the English government spent in encouraging marksmanship among citizens has returned in value a hundred-fold since the outbreak of the great war.

For many years the English N. R. A. had been working along lines similar to those of the National Rifle Association of America. Bisley and many other ranges were established and constructed for rifle match work. Through the hundreds of civilian rifle clubs in Great Britain the youth and citizen were taught with miniature service rifles, to handle the army weapon.

As a result, at the outbreak of the great war, the British N. R. A. had already established and running smoothly a gigantic machinery to produce just what the nation needed most—trained marksmen. This machinery was immediately placed at the disposal of the government, and in addition, every N. R. A. official, not eligible for active service, volunteered as an instructor of recruits.

The big range at Bisley, and smaller ranges, were idle so far as the customary marksmanship competitions were concerned. But at Bisley the camp and the buildings belonging to the N. R. A. have been constantly occupied to their full capacity by officers and non-commissioned officers attending the school of musketry and by the motor machine gun center and the machine gun cadet battalion; and all of these institutions found the range of extreme value in training recruits.

In reporting upon the work which was made possible largely by having at hand a center such as Bisley an official report says:

"Every penny spent by marksmen shooting on Bisley in peace time has been an investment toward war's needs, for without Bisley and the greater Bisley throughout the counties there would have been no organization ready to which Lord Kitchener could have turned for aid as he did, asking the formation of a school of musketry and to utilize the marksmen of the N. R. A. as a new teaching staff.

"The war work that was begun by the N. R. A. on the 10th of August, 1914, has been continued during 1916 upon an increased scale in its various departments, namely the musketry camp, which embraces the whole of the operations, the school of musketry which trains and qualifies instructors in musketry, and the corps of the school of musketry which deals with those officer and N. C. O. instructors who are qualified by the school to act as brigade and battalion instructors to the new armies under the arrangements made with the War Office in September, 1914.

"Thus after two and a half years of ceaseless activity the Bisley establishment is still the flourishing organization of the new forces, based upon the marksmen of the N. R. A. and the experience of Hythe. During the year the camp has been occupied by the N. R. A. school of musketry, the headquarters of the corps of the school of musketry, the motor machine gun corps, the machine gun cadet battalion, the heavy batteries of machine guns, the howitzer bat-

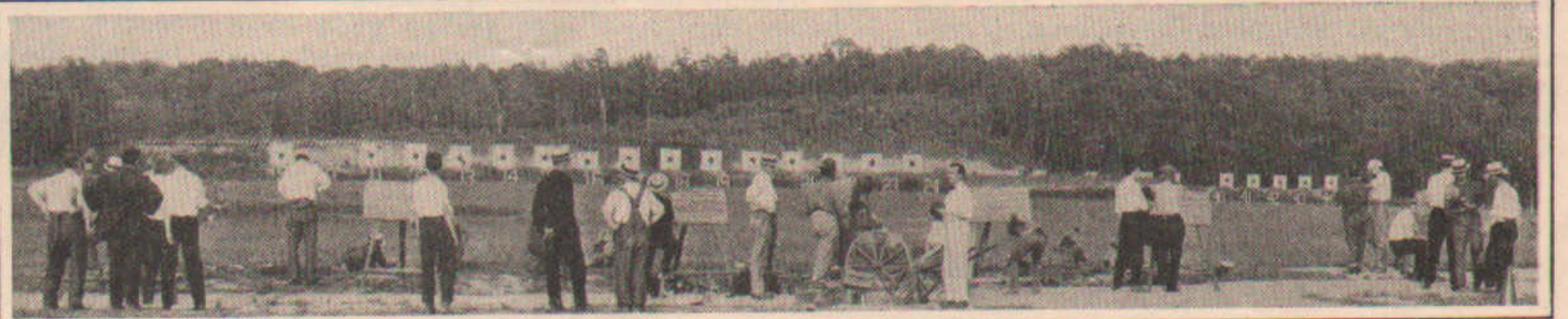
teries, R. F. A. and other troops. All the permanent and temporary buildings have been used by these corps and services.

"The school of musketry has been a happy combination of both Hythe and Bisley ideas, and represents in itself just that compromise in the various conceptions of musketry power which was the ideal Lord Kitchener always had in his mind. The school has turned out trained instructors for the new regulars and the territorial force, and it can look forward to embracing the new volunteers when the authorities determine the standard of efficiency which will be applied to that force."

The national value of this kind of work is self-evident.

There are in the United States today three mammoth ranges—Camp Perry, Ohio; Sparta, Wisconsin, and Jacksonville, Florida, not to mention the big marine corps ranges such as Winthrop, Maryland, and Paris Island. There is no reason why just as great a national service cannot be rendered to the United States, as was rendered in England, by civilian riflemen. There is little question but what from the ranks of the N. R. A. could be instantly recruited officials and expert riflemen to form a corps of thousands of trained instructors to immediately undertake the training of recruits at musketry schools, leaving the Army officials free to attend to the more immediate work of camp instruction and defending the country.

AT THE TARGETS!



The Annual Indoor Gallery Championship

Being the Story of the Annual Indoor 100-Shot Championship Match of the United States Under the Auspices of the Famous Zettler Rifle Club

By "AL BLANCO"

DURING the week of March 11 to 17 two important events were celebrated in the city of New York. One of these was the annual Zettler Match, the twenty-first that has been held since the inception of this famous contest when Zettlers had their gallery on the Bowery and it was the rendezvous for rifle and pistol shooters of a generation ago.

The other event to which we refer occurred on the last day of the shoot, the day being March 17, and this stands out in the memory of Erin's sons as the big day of the year when all of her loyal sons pay tribute to her patron saint.

At any rate, the Zettler affair was a big success, for there was a gathering of the clan from nearby points which swelled the attendance to respectable proportions. 'Tis true there were a great many of the old-timers on hand, as there always are at these yearly gatherings. For instance, there was the venerable "Mike" Dorrlor, without whom a Zettler Shoot could hardly be called a success; but the oldest young fellow there was the grand old man, Louis Maurer, on whose shoulders rest lightly some 83 years. Mr. Maurer may well point with pride to his score of 2337, which is a heap better than some 15 of his fellow shooters scored.

The 17th of March and Patrick J. O'Hare arrived in New York at about the same time and both received a hearty welcome. There was a time when Paddy was a holy terror in the offhand position, and who knows but he still is "there" if he but practiced at the old game?

The Catskills was ably represented by the smiling Mr. S. N. Murphy, from Grand Gorge, N. Y. Mr. Murphy is and has been for a great many years an enthusiast for the indoor Schuetzen game. Rarely, if ever, does he miss one of the Zettler Shoots.

One can hardly place in the class of the older men—that is, from the point of age—such men as Arthur Hubalek, Dr. Hudson, Jack Hunzicker, Harry Pope, P. E. Brooks, L. C. Buss, John Kaufmann, Paul Raymond, George Chesley, Charlie Zettler, W. A. Tewes, Jarvis Williams, Owen Smith, Bob Goldthwaite, John Young and so forth, because most of those mentioned are still in the prime of life, but these men have followed the sport for a great many years and are familiar figures at the annual Zettler Shoot. So they were all on hand this year and it was a merry gathering, to say the least.

The main event of the week is always the 100-Shot Championship Match, and the contest for first place or a good position in the match is usually bitterly fought out.

Early in the week Arthur Hubalek, who as you all know holds the 100-shot record of 2484, which he made in 1911, handed over to the official scorer twenty 5-shot targets which totaled 2476 out of the possible 2500.

For the uninitiated it might be mentioned that this score represents 100 shots fired in the offhand or standing position with a Schuetzen rifle fitted with all of the fang-doodles and dinguses that will help or hinder a man in wabbling around the 25 ring. Hubalek's outfit consisted of a Pope barrel fitted to a Ballard action, with palm rest and finger spur. The telescope used was a Winchester 5-A, cross-hair, five powers. The whole outfit weighed 13½ pounds.

As the 10-shot totals will show, Hubalek shot consistently with nothing totaling under 245. He had one full score of 250, with several that might have been 250's had they wobbled one-sixteenth of an inch toward the 25 ring.

It has often been remarked during these shoots that the 2484 score will stand as a record for all time. It would be a pretty good

bet for anyone to make. There are only two men who seem to be capable of turning the trick; those two men are Arthur Hubalek himself and Dr. Hudson.

Speaking of Dr. Hudson and the record score brings us to the point where we must call attention to the Doctor's 100-shot score in this match. Here it is in the order in which it was shot for the first 50 shots.

248, 248, 249, 247, 248—a total of 1240.

Up to this point it did look like the Doctor's match, for he had an edge on Hubalek for the first 50 by three points and with an excellent chance to at least tie the record; but at the beginning of the second 50 shots some mean person crossed his fingers, soaped the ways, oiled the wheels and otherwise assisted in accelerating the downward movement of the worthy Doctor. But the Doctor is cool and imperturbable under all conditions and soon gained control of himself. On his last 20 shots he pulled out a good 248 and 247, which gave him a grand total of 2471 and second place for the match.

Harry Pope got away to a miserable start and only by the hardest kind of maneuvering succeeded in pulling out the excellent total of 2469, which gave him third place and sundry bits of legal tender.

Jack Hunzicker came down from Hartford, Conn., to see if he had lost any of the cunning which has always made him a dangerous man in a match of this kind. A good 2464 rewarded his efforts, which included one of the few 10-shot possibles made during the shoot.

Perry E. Brooks, from Newport, R. I., has not missed a Zettler Shoot in a good many years and looks upon this match as an annual vacation. Would that there were more like him, for he brings his famous grin with him and generally helps to make the affair as exciting as possible. His total of 2459 got him

fifth place. Incidentally, he was one of the few who made a 10-shot score.

In sixth place we find the dapper little Louis Buss. Louis must have been feeling badly, because he did not shoot quite up to his usual standard, although 2456 is pretty good going at that; but Louis had too many bad moments and these helped to ruin what should have been about 2470.

The names of W. Zettler and Cornelius Zettler will be found at the end of the list of competitors who entered the 100-shot match and finished their scores. They are the sons of Charlie Zettler and are keen on shooting. It won't be many years before these youngsters will be giving the old man a run for his money.

The Continuous Match, which always brings out some interesting shooting, was won by Hubalek, Hudson and Hunzicker. This match is a teaser. You must make 75 to get a look-in for the money, and when you get one 75 the rest looks easy, so you keep on buying tickets and making 74's and 73's, but never quite get the other 75—at least, if you are not one of those whose names have been mentioned above. It is necessary to have three 75's in this match to be counted in with the first, second and third prize winners

among whom the money is divided, and this is usually a considerable amount. Inasmuch as Hubalek, Hudson and Hunzicker had more of these than was needed, they were paid a premium and again divided the money.

The Bull's-eye match might also be called a teaser. The target is a black carton about four inches in diameter, with no aiming point whatever. You hold on or near what you think is the center as it is humanly possible to do and then breathe on the hair trigger. By that time if you have not come back to the place from where you started your shot is about two inches from where it ought to be, but sometimes somebody places a shot very close to the center and then it is necessary to measure it by machine. When there are enough of the cartons to make it worth while, Barney Zettler gets out an elaborate brass-finished measuring device, a magnifying glass, a couple of pairs of specs, and calls on Harry Pope to help him. Harry gives his opinion and Barney agrees or disagrees, according to the state of his digestive apparatus.

Barney must have been feeling good when "Mike" Dorrlor's target was measured, for "Mike" got a 7-degree bull, which was better than one measuring 8 by Charlie Zettler. It was not a family affair anyway, that is sure,

so "Mike" is the rightful winner of the match. The machine for measuring the targets was 5 points off, so that in reality Dorrlor's bull's-eye measures two degrees, or an almost perfect center shot.

Because S. N. Murphy tried thirty-six times to hit the center of one of these black cartons he was awarded the prize for the most bull's-eyes. Louis Buss was a close second with 29 and J. E. Ward third with 27.

E. Koegler won the Zimmerman Trophy with three bull's-eyes, measuring a total of 29½ degrees. Mr. Koegler is one of the newer shooters and he is enthusiastic to a degree.

The distribution of prizes was made on Saturday night at the completion of the shoot, with Mr. A. Begerow in the chair and Harry Pope on the job. Nearly everybody got a prize and some two or three. Be that as it may, everybody left for home feeling that it was all worth while and strongly in favor of Schuetzen rifle shooting as a sport or pastime to keep a fellow away from home at least once a year for seven nights consecutively. In fact, the scribe is inclined to write a book entitled, "Seven Nights in a Rifle Range; or, The Truth Must Be Told."

(Concluded on page 17)

Five Clubs Tie on Total in Eighth Match

By "PARALLAX"

AT the top of the weekly score sheet for the eighth N.R.A. match are five clubs with precisely the same total. They are: Marion, Ohio, Rifle Club; Quinnipiac Rifle Club; Bangor, Maine, Rifle Club; the Park Club, of Bridgeport, Conn., and the Pierre, S. D., Rifle Club, which latter organization had the honor of hanging up a 998 total in the Seventh Match.

On a Creedmoor count, the Marion boys who incidentally had 2 "possibles" were given first place; Quinnipiac, with a "possible" and three 199's, second; Bangor, with a similar score, third; the Park Club, with 2 "possibles", fourth, and Pierre, with 2 "possibles", fifth.

The Peter's Club slumped into tenth place during this match on a total of 990.

Although the weekly results of the Eighth Match are very different of complexion from those during the Seventh Match, the shuffling of the scores did not change the aggregate standing, Peters still retaining the lead by 19 points on a total of 7940 over the Park Club, second, Marion, third, and Quinnipiac, fourth.

Aggregate Scores at Close of Eighth Match

Civilian Teams			
1. Peters Rifle and Revolver Club, Kings Mills, Ohio.....(A)	7940	19. Kiowa Shooting Club, Des Moines, Iowa.....(B)	7760
2. The Park Club, Bridgeport, Conn. (A)	7921	20. Mound City Rifle Club, St. Louis, Mo.....(E)	7752
3. Marion, Ohio, Rifle Club.....(A)	7919	21. Sidney, Ohio, Rifle Club.....(E)	7745
4. Quinnipiac Rifle and Revolver Club, New Haven, Conn.....(A)	7918	22. Jacksonville, Fla., Rifle Club... (E)	7738
5. Washington, D. C., Rifle Club. (E)	7909	23. Stanton, Nebr., Government Rifle Club.....(B)	7720
6. Bucyrus, Ohio, Rifle Association (A)	7888	24. Ft. Harrison Rifle Club, Terre Haute, Ind.....(C)	7711
7. Bangor, Maine, Rifle Association (A)	7881	25. Manchester, N. H., Rifle and Pistol Club.....(A)	7711
8. Boston, Mass., Rifle and Revolver Club.....(C)	7875	26. Manhattan, N. Y., Rifle and Revolver Association.....(D)	7698
9. Watertown, S. Dak., Rifle Club (A)	7875	27. Corinna, Me., Rifle Club.....(B)	7691
10. Pierre, S. Dak., Rifle and Revolver Club.....(B)	7874	28. Guthrie Center, Iowa, Rifle Club (C)	7662
11. Auburn, N. Y., Rifle Club.....(A)	7866	29. Milwaukee, Wis., Rifle and Pistol Club.....(B)	7661
12. Lynn, Mass., Rifle and Revolver Club.....(B)	7864	30. Springfield, Mass., Rifle Club. (D)	7658
13. Glendale Rifle Club, Bedford, Ohio (B)	7859	31. Greenwich, Conn., Rifle Club... (E)	7649
14. Salt Lake, Utah, Rifle and Revolver Club.....(A)	7823	32. Helena, Mont., Rifle Club.....(D)	7646
15. Hopkins, Minn., Rifle Club....(A)	7810	33. Hoosier Rifle Club, Indianapolis, Ind.....(B)	7637
16. Chicago, Ill., Rifle Club.....(D)	7803	34. Corvallis, Mont., Rifle Club....(E)	7624
17. Birmingham, Ala., Athletic Club Rifle and Revolver Assn....(D)	7780	35. Citizens Rifle and Revolver Club, Rochester, N. Y.....(C)	7624
18. Newport, R. I., Rifle Club.....(E)	7769	36. Rifle and Revolver Club of New York.....(C)	7621
		37. Dayton, Ohio, Civilian Rifle Club (F)	7603
		38. Gunnison, Colo., Rifle Club....(F)	7599
		39. Brooklyn, N. Y., Rifle Club....(B)	7597
		40. Detroit, Mich., Rifle and Revolver Club.....(B)	7506
		41. St. Augustine, Fla., Rifle Club (C)	7588
		42. Atlanta, Ga., Rifle Club.....(G)	7586
		43. Portland, Ore., Rifle Club.....(C)	7583
		44. Detroit, Mich., Y. M. C. A. Rifle and Pistol Club.....(B)	7582
		45. Shawnee Rifle and Revolver Club, Lima, Ohio.....(C)	7580
		46. Fitchburg, Mass., Sportsman Club Rifle Club.....(E)	7578
		47. Haverhill, Mass., Rifle and Gun Club.....(F)	7576
		48. Paterson, N. J., Rifle Club....(F)	7560
		49. Altoona, Pa., Rifle Club.....(E)	7549
		50. Albion, Ind., Rifle Club.....(C)	7548
		51. Ridgeville Rifle Club, Evanston, Ill.....(E)	7545
		52. Toledo, Ohio, Rifle and Pistol Association.....(C)	7531
		53. Tacoma, Wash., Rifle and Revolver Club.....(D)	7529
		54. Middletown, N. Y., Rifle Club (D)	7527
		55. Morgantown, W. Va., Rifle Club (E)	7507
		56. East Orange, N. J., Rifle Club (F)	7505
		57. Washington Marine Draftsman Rifle Club, District of Columbia (F)	7483
		58. Covington, Ky., Rifle and Pistol Club.....(D)	7453

59. The Gisholt Club, Madison, Wisconsin.....(D)	7451
60. Minneapolis, Minn., Rifle Club (F)	7442
61. Princeton, N. J., Athletic Club Rifle Association.....(F)	7424
62. Fort Wayne, Ind., Rifle and Revolver Club.....(D)	7412
63. Main Line Rifle Club, Berwyn, Pa. (G)	7386
64. Towanda, Pa., Rifle Club.....(G)	7381
65. Cazenovia, N. Y., Rifle Club... (F)	7354
66. Ridgewood, N. J., Rifle Club... (G)	7327
67. White Motor Rifle Club, Cleveland, Ohio.....(G)	7311
68. Franklin, Pa., Rifle Club.....(F)	7300
69. Scott, Ark., Rifle Club.....(F)	7291
70. Newport, Ky., Rifle and Pistol Club (F)	7249
71. Pacific Service Rifle Club, San Francisco, Cal.(G)	7239
72. Ashburnham, Mass., Rifle Club (C)	7198
73. Niskayuna Rifle Club, Schenectady, N. Y.(H)	7126
74. Lakewood, N. J., Rifle Club... (G)	7123
75. Salem, Ore., Rifle Club.....(H)	7100
76. Bureau of Chemistry Rifle Club, District of Columbia.....(G)	7097
77. Saginaw, Mich., Rifle Club... (H)	7059
78. Danbury, Conn., Rifle Club... (G)	7040
79. Duluth, Minn., Spanish War Rifle Club.....(G)	6979
80. Premo Industrial Rifle and Revolver Club, Rochester, N. Y... (H)	6974
81. Grand Forks, N. D., Rifle Club (H)	6960
82. Reo-National Rifle Club, Lansing, Mich.(H)	6912
83. Middleboro, Mass., Rifle Club.. (H)	6892
84. Louisville, Ky., National Rifle Club (D)	6878
85. First Team, Kiowa, Kansas Rifle Club.....(H)	6873
86. Durham, N. C., Rifle Club.....(H)	6746
87. Davy Crockett Rifle Club, San Antonio, Texas.....(H)	6722
88. Santa Fe, New Mexico, Rifle Club (H)	6644
89. Highland, Cal., Rifle Club.....(I)	6410
90. Lamar, Colo., Rifle Club.....(I)	6187
91. Second Team, Joliet, Ill., Rifle Club (I)	6091
92. Bedford, N. Y., Rifle Club....(I)	6053
93. Varnum Continentals Rifle Club, East Greenwich, R. I.....(I)	6042
94. Torrington, Conn., Rifle Club... (I)	5983
95. First Team, Joliet, Ill., Rifle Club (I)	5909
96. Litchfield, Conn., Rifle Club....(I)	5819

Targets missing for the eighth Match:
 Bureau of Engraving and Printing Rifle Club, District of Columbia.....(E) 6669
 Hydraulic Rifle Club, Cleveland, Ohio (C) 6557
 Salmon, Idaho, Rifle Club.....(G) 6211

Targets missing for the seventh and eighth Matches:
 Buffalo, N. Y., Rifle Club.....(A) 5789
 Olympic Rifle and Pistol Club, Cal..(B) 5732
 Second Team, Kiowa, Kansas Rifle Club (G) 5428

Targets missing for the fifth, sixth, seventh and eighth Matches:
 Sudbrook Park Rifle Club, Baltimore, Md.(H) 2948

College Teams

1. Washington State College, Pullman (A)	7929
2. Michigan Agricultural College, East Lansing.....(A)	7685
3. West Virginia University, Morgantown.....(A)	7572

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4. Norwich University, Northfield, Vt. (A)	7458	Targets missing for the sixth, seventh and eighth Matches:	
5. Notre Dame, Ind., University.. (A)	7408	Columbia University, New York City (B)	4622
6. Massachusetts Agricultural College, Amherst.....(A)	7395	Oregon Agric. College, Corvallis....(C)	4130
7. Cornell University, Ithaca, N. Y. (A)	7389	Targets missing for the fourth, fifth, sixth, seventh and eighth Matches:	
8. State University of Iowa, Iowa City.....(A)	7202	Rensselaer Polytechnic Institute, Troy, N. Y.(B)	2198
9. University of Tennessee, Knoxville (D)	7200	Targets missing for the second, fourth, fifth, sixth, seventh and eighth Matches:	
10. Bowdoin College, Brunswick, Me. (D)	7177	Miss. Agric. and Mech. College, Agric. College.....(C)	1363
11. University of Pennsylvania, Philadelphia.....(B)	7170	Targets missing for the third, fourth, fifth, sixth, seventh and eighth Matches:	
12. U. S. Naval Academy, Annapolis, Md.(A)	7162	Johns Hopkins University, Baltimore, Md.(C)	1358
13. Worcester, Mass., Polytechnic Institute.....(C)	7071	Targets missing for the second, fourth, fifth, sixth, seventh and eighth Matches:	
14. University of Michigan, Ann Arbor (A)	6901	Georgia School of Technology, Atlanta, Ga.(D)	1077
15. University of California, Berkeley (B)	6868	Targets for the second, third, fifth, sixth, seventh and eighth Matches missing:	
16. University of Illinois, Urbana-Champaign.....(B)	6795	North Dakota Agric. College, Agric. College.....(D)	1056
17. Iowa State College, Ames.....(C)	6794		
18. University of Nebraska, Lincoln (B)	6728		
19. University of Vermont, Burlington (B)	6702		
20. Kansas State Agricultural College, Manhattan.....(D)	6697		
21. Princeton, N. J., University....(B)	6684		
22. Massachusetts Institute of Technology, Cambridge.....(C)	6602		
23. Clark College, Worcester, Mass. (D)	6550		
24. New York State College of Forestry, Syracuse, N. Y.....(D)	6548		
25. University of Maine, Orono.... (B)	6472		
26. Pennsylvania State College, State College.....(C)	6385		
27. Williams College, Williamstown, Mass.(C)	6351		
28. Oklahoma Agric. and Mech. College, Agric. College.....(C)	6230		
29. Connecticut Agric. College, Storrs (D)	6193		
30. Dartmouth College, Hanover, N. H. (D)	5011		
31. Ohio State University, Columbus (C)	3107		
1st, 2nd and 3rd Matches forfeited.			

Military Teams

1. New York Military Academy, Cornwall-on-Hudson.....(A)	7583
2. Tennessee Military Institute, Sweetwater.....(A)	7338
3. St. John's Military Academy, Delafield, Wis.(A)	7258
4. Culver, Ind., Military Academy. (B)	6108
5. Shattuck School, Faribault, Minn. (A)	5793
6. Mount Tamalpais Military Academy, Cal.(B)	5766
7. Hitchcock Military Academy, Cal. (B)	5673

8. Miami Military Academy, German- town, Ohio (A)	5510
9. Columbia, Tenn., Military Academy (B)	5407
10. Bingham School, Asheville, N. C. (A)	4883
Targets missing for the eighth Match: Kemper Military School, Boonville, Mo. (A)	
6042	
Northwestern Military and Naval Acad- emy (B)	
4398	
Targets missing for the seventh and eighth Matches: Hill Military Academy, Portland, Ore. (B)	
2814	
Targets missing for the sixth, seventh and eighth Matches: Bordentown, N. J., Military Institute (A)	
4322	
Targets missing for the fifth, sixth, seventh and eighth Matches: Wenonah, N. J., Military Academy. (B)	
2132	

High Schools

1. Placer Union High School, Cal.. (A)	7547
2. Iowa City, Iowa, High School.. (A)	7541
3. McKinley Manual Training School, Washington, D. C..... (A)	7149
4. Cedar Rapids, Iowa, High School (A)	6912
5. Burlington, Iowa, High School (A)	6867
6. Jamaica High School, L. I., N. Y. (B)	6771
7. Erasmus Hall High School, Brook- lyn, N. Y. (A)	6738
8. Central High School, Grand Rapids, Mich. (B)	6584
9. Dixon, Ill., High School (B)	6466
10. Baltimore, Md., City College.... (B)	6451
11. Western High School, Washing- ton, D. C. (B)	6233
12. New Haven, Conn., High School (B)	6124
13. Lewis and Clark High School, Spokane, Wash. (B)	6022
14. Northfield, Vt., High School.... (A)	5749
15. Smith Academy Manual Training School, St. Louis, Mo..... (A)	4988

Targets for the eighth match missing: Central High School, District of Co- lumbia (A)		6306
Salt Lake, Utah, High School, East (A)		5823
Sacramento, Cal., High School.... (A)		5512
Vermilion High School, Danville, Ill. (B)		3438
Targets for the second and sixth Matches missing: Crosby High School, Waterbury, Conn. (B)		3378
Targets for the third Match missing: University High School, Laramie, Wyo. (B)		4586
Targets for the sixth, seventh and eighth Matches missing: Lowell, Mass.; High School..... (B)		3709
Targets for the second, third, fourth, fifth, sixth, seventh and eighth Matches missing: Morris High School, New York City (A)		845

Team Scores In Eighth Match

Civilian Teams

(1) Marion, Ohio, Rifle Club.	
Z. A. Meredith.....	200
A. R. Sammons.....	200
Fred Morrison	199
M. E. Carroll.....	198
J. E. Messenger.....	198
Club total.....	995
(2) Quinnipiac Rifle and Revol- ver Club, New Haven, Conn.	
H. J. Gussman.....	200
S. A. S. Hammar.....	199
C. S. Charles.....	199
W. H. Richards.....	199
A. A. Clonett.....	198
Club total.....	995
(3) Bangor, Maine, Rifle Club	
A. W. Shaw.....	200
Geo. A. McLaughlin.....	199
Chas. P. Allen.....	199
John Trut	199
L. W. Somers.....	198
Club total.....	995
(4) The Park Club, Bridgeport, Conn.	
R. D. August.....	200
A. L. Birks.....	200
H. E. Graffin.....	199
A. B. Gully.....	198
W. E. Tewes.....	198
Club total.....	995
(5) Pierre, S. D., Rifle Club.	
E. G. Smith.....	200
P. J. Murphy.....	200
H. M. Darr.....	199
F. A. Lucas.....	198
W. Johnston	198
Club total.....	995
(6) Glendale Rifle Club, Bedford, Ohio	
B. T. Wright.....	200
W. E. Martin.....	199
G. G. Black.....	198
H. B. Strachan.....	198

Wm. C. Miller.....	198
Club total.....	993
(7) Washington, D. C., Rifle Club	
R. Alderman	199
J. J. Andrews.....	199
J. H. Robertson.....	199
W. C. Robertson.....	199
R. V. Reynolds.....	197
Club total.....	993
(8) Boston, Mass., Rifle and Revolver Club	
C. Kelly	199
H. Marshall	199
W. A. Natale.....	198
N. C. Nash.....	198
M. Standish	197
Club total.....	991
(9) Auburn, N. Y., Rifle Club	
J. H. Cole.....	199
C. E. Shapley.....	199
J. H. Stebbins.....	198
W. A. Ockenden.....	197
F. W. Walts.....	197
Club total.....	990
(10) Peters Rifle and Revolver Club, Kings Mill, Ohio.	
John Beedle	200
Geo. A. Muenzenmaier.....	198
A. D. Rothrock.....	198
Henry Feinerer, Jr.....	197
B. H. Buchanan.....	197
Club total.....	990
(11) Corvallis, Mont., Rifle Club.	
Carl Magni	200
E. F. Schwab.....	199
Hans DeYoung	197
L. Christoffersen	197
C. M. Barnes.....	196
Club total.....	989
(12) Watertown, S. D., Rifle Club.	
E. D. Lacy.....	199
Paul Borne	198
G. A. Abbott.....	197

Claire Larson	197
H. C. Parsons.....	197
Club total.....	988
(13) Lynn, Mass., Rifle and Revolver Club	
C. C. Richardson.....	198
E. B. Clark.....	198
R. W. Francis.....	197
C. A. Morse.....	197
A. O. Niedner.....	197
Club total.....	987
(14) Bucyrus, Ohio, Rifle Association.	
V. M. Virtue.....	198
W. M. Kranich.....	198
C. P. Mader.....	197
H. C. Philpot.....	197
J. W. Sharrock.....	197
Club total.....	987
(15) Kiowa Shooting Club, Des Moines, Iowa.	
L. W. Scott.....	199
W. E. Kessler.....	198
Ed. Fines	197
L. Bentley	197
C. H. Kessler.....	193
Club total.....	984
(16) Salt Lake, Utah, Rifle and Revolver Club	
Wm. Stokes	200
F. T. Letchfield.....	196
R. B. Harkness.....	196
C. T. Letchfield.....	195
J. H. Ray.....	195
Club total.....	982
(17) Gunnison, Colo., Rifle Club	
M. A. Jencks.....	200
A. W. Lindsley.....	200
M. B. Herrick.....	196
Jos. McDermott	193
E. G. Palmer.....	192
Club total.....	981

Rifle and Pistol Club	
(18) Detroit, Mich., Y. M. C. A.	
H. L. Baxter.....	197
H. Steir	197
Dr. W. H. Honor.....	197
F. H. Mears.....	195
Clyde Maxson	193
Club total.....	979
(19) Chicago, Ill., Rifle Club.	
G. L. Nichols	198
John Turner	197
D. E. Moore	196
P. F. Zinke.....	194
E. L. Marmaduke	193
Club total	978
(20) Hopkins, Minn., Rifle Club.	
R. L. Thietten	197
A. L. Hamilton	197
Harvey Maetyold	196
E. L. Redeem	194
C. C. Snively	193
Club total	977
(21) Birmingham, Ala., Athletic Club Rifle Assn.	
T. K. Lee	199
O. L. Garl.....	198
W. O. Watkins	196
Mrs. O. L. Garl	193
Mrs. Jones	190
Club total	976
(22) Manhattan, N. Y., Rifle and Rev. Club.	
D. J. Gould, Jr.....	197
John A. Dietz	196
J. E. Silliman	195
Karl T. Frederick	194
Alfred H. Seeley	193
Club total	975
(23) Paterson, N. J., Rifle Club	
Ralph Ryder	200
N. McGurk	195
Wm. Reagen	193
E. Ryder	193
Theo. Nichols	193
Club total	974

(24) Mount City Rifle Club, St. Louis, Mo.

Olcott	197
Niedner	196
Billsbarrow	195
H. C. Westerman	194
J. G. Westerman	192
Club total	974

(25) Helena, Mont., Rifle Club

J. J. McGuinness	196
O. H. Koch	195
W. R. Strong	194
Elmer Keith	194
H. L. Hart	193
Club total	972

(26) Springfield, Mass., Rifle Club

D. W. Wesson	197
L. G. Carleton	196
C. H. Hamilton	194
E. M. Allis	193
V. H. Wesson	191
Club total	971

(27) Corinna, Maine, Rifle Club

W. E. Ireland	196
W. H. Mower	196
E. B. Holt	195
N. F. Burrill	193
W. S. Small	191
Club total	971

(28) Jacksonville, Fla., Rifle Club

F. G. Yerkes	196
Wm. McNamee	195
A. N. Dow	194
M. B. Aultman	194
F. E. Brysm	190
Club total	969

(29) Atlanta, Ga., Rifle Club

S. Tupper	195
Dr. J. C. Wright	195
C. C. Smith	195
H. D. Freeman	192
J. E. Oxford	191
Club total	968

(30) Main Line Rifle Club, Berwyn, Pa.

W. M. Patrick	199
Chas. M. Johnson	197
Chas. R. Strong	192
John G. Dillin	190
P. E. Mathes	189
Club total	967

(31) Manchester, N. H., Rifle and Pistol Club

R. P. Turner	195
R. G. Lang	195
E. A. Hayes	194
C. H. Carleton	193
H. J. Danforth	190
Club total	967

(32) Detroit, Mich., Rifle and Revolver Club

H. L. D. Smith	199
A. J. Walrath	195
C. R. Neigebaur	194
Geo. Creasey	190
A. J. Coon	189
Club total	967

(33) Newport, R. I., Rifle Club

F. B. Spooner	195
F. I. Chase, Jr.	194
H. R. Chase	194
R. Hay	193
A. R. Anthony	190
Club total	966

(34) Sidney, Ohio, Rifle Club

Fred Schulz	195
Ben D. Higgins	194
Geo. Ehrhardt	193
Roy Fry	192
Wm. Rostron	192
Club total	966

(35) Shawnee Rifle and Rev. Club, Lima, Ohio

Guy Sproul	197
L. F. Blank	196
Guy B. Myers	192
J. J. Anderson	192
Chas. Hover	187
Club total	964

(36) Dayton, Ohio, Civilian Rifle Club

David Toth	195
Clark Shrayner	195
J. R. Moser	194
W. W. Arnold	191
A. Shivell	189
Club total	964

(37) Stanton, Nebr., Government Rifle Club

J. C. Hoff	195
Morse	193
Herrmann	192
Riley	192
Fuhodt	192
Club total	964

(38) Milwaukee, Wis., Rifle and Pistol Club

Emil Teich	194
H. W. Mansfield	194
N. E. Dahm	193
A. E. Gaartz	192
John Kline	190
Club total	963

(39) Citizens Rifle and Revolver Club, Rochester, N. Y.

E. S. Mix	197
F. C. Sherman	197
C. B. Spraker	190
A. G. Johnson	189
J. L. Mathews	188
Club total	961

(40) Middletown, N. Y., Rifle Club

Dr. Moore	196
R. W. Canfield	194
C. W. Horton	193
A. B. Loder	191
R. D. Parker	186
Club total	960

(41) Hoosier Rifle Club, Indianapolis, Ind.

W. A. Walker	195
C. R. Eckler	193
H. Jones	193
F. O. Browne	191
W. F. Baker	188
Club total	960

(42) Niskayuna Rifle Club, Schenectady, N. Y.

E. G. DeFrate	198
C. C. Sliter	194
Harry Cregier	194
A. E. Reynolds	187
J. I. Crawford	184
Club total	957

(43) Fitchburg, Mass., Sportsmans Club, Rifle Club

J. I. Rafuse	195
B. E. Murch	193
E. A. Deans	190
I. C. Farrell	189
G. F. Mack	189
Club total	956

(44) East Orange, N. J., Rifle Club

A. A. Fisher	192
J. F. Cross	192
J. G. O'Keeffe	191
T. R. Varick	191
R. M. Roper	189
Club total	955

(45) Ridgeville Rifle Club, Evanston, Ill.

W. L. Cocroft	196
E. K. Moberg	193
H. A. Clauson	192
C. T. Davis	188
P. R. Burton	186
Club total	955

(46) Ft. Harrison Rifle Club, Terre Haute, Ind.

E. H. Bindley, Jr.	197
L. S. Reintjes	192
H. J. Mueller	191
W. E. Conner	187
A. O. Van Gilder	187
Club total	954

(47) Altoona, Pa., Rifle Club

S. H. Owens	195
C. M. Kerns	192
L. M. Nugent	191
L. C. Douglass	190
W. I. Sickles	186
Club total	954

(48) Brooklyn, N. Y., Rifle Club

F. E. Prescott	195
F. W. Dearborn	191
P. F. Lahm	191
C. Gebhard	189
C. Drechsel	188
Club total	954

(49) Portland, Ore., Rifle Club

J. S. Hyatt	194
Dr. G. E. Henton	191
C. A. Myers	190
C. G. Stryker	190
F. Morganroth	186
Club total	951

(50) Morgantown, W. Va., Rifle Club

D. M. Thomas	193
Roy White	191
E. C. Grunback	190
A. C. Thomas	189
A. B. Wilson	188
Club total	951

(51) Rifle and Revolver Club of New York

A. P. Lane	194
T. W. Hughes	192
L. Baker, Jr.	191
Stanley Baker	188
C. H. Halevy	185
Club total	950

(52) Guthrie Center, Iowa, Rifle Club

C. C. Kennedy	195
D. E. Boots	190
P. E. Wylie	190
F. A. Christenson	188
S. W. Aldrich	187
Club total	950

(53) Tacoma, Wash., Rifle and Revolver Club

H. O. Scofield	197
W. Knoble	192
J. G. Kellenberger ..	188
J. H. Hartley	187
C. R. Werner	185
Club total	949

(54) Washington, D. C., Marine Draftsmen Rifle Club

J. W. Webb	193
J. E. Hecking	191
A. B. Campfield	190
C. Walsh	188
L. F. Hewins	186
Club total	948

(55) Greenwich, Conn., Rifle Club

P. Raymond	195
C. H. Yost	195
H. Bayles	193
H. Raymond	183
J. Rivers	181
Club total	947

(56) Haverhill, Mass., Rifle and Gun Club

H. L. Brown	193
C. S. Benson	190
T. D. Bond	190
E. W. Kenerson	189
R. L. Turner	185
Club total	947

(57) The Gisholt Club, Madison, Wis.

E. H. Lamp	195
Tom Olsen	190
C. Boyce	189
Al. Geiger	186
C. Swanson	186
Club total	946

(58) Towanda, Pa., Rifle Club.

F. D. Montanye	190
D. R. Smith	190
H. D. Crouch	189
M. B. Wheeler	189
S. C. Moore	188
Club total	946

(59) Ft. Wayne, Ind., Rifle and Revolver Club

Foster Houck	190
George Lawrence	190
Charles Reuss	189
George Gawehn	188
F. B. Hall	188
Club total	945

<i>(60) Pacific Service Rifle Club, Cal.</i>	
R. A. Monroe	195
G. H. Canfield	193
L. H. Patty	189
W. B. Mel	186
S. E. Carpenter	180
Club total	943
<i>(61) Minneapolis, Minn., Rifle Club</i>	
L. P. Crevier	194
C. W. Stoufer	192
T. Breckheimer	191
E. K. Leubner	185
R. Leubner	181
Club total	943
<i>(62) Albion, Ind., Rifle Club</i>	
L. N. Leatherman	196
Milo D. Snyder	191
Albert Black	190
R. F. Mayfield	185
J. C. Lee	180
Club total	942
<i>(63) Covington, Ky., Rifle and Pistol Club</i>	
R. L. Trimble	191
L. C. Corcoran	190
C. A. Schroetter	188
A. W. Roetken	188
W. W. Britt	184
Club total	941
<i>(64) St. Augustine, Fla., Rifle Club</i>	
F. J. Paffe	197
H. P. Davies	192
B. M. Hall	189
L. J. Capella	187
C. S. Brumley	175
Club total	940
<i>(65) Ridgewood, N. J., Rifle Club</i>	
F. A. J. Hering	192
H. S. Willard	190
F. C. Remington	189
C. K. Nichols	185
J. C. Fitts	183
Club total	939
<i>(66) Franklin, Pa., Rifle Club</i>	
C. H. Bronson	195
C. S. Boswell	192
W. M. Mackey	188
F. E. Cathers	184
C. M. Campbell	178
Club total	937
<i>(67) White Motor Rifle Club, Ohio</i>	
F. Klinitz	192
G. W. Ross	189
J. H. Selfridge	187
F. H. Squires	185
G. D. Adams	183
Club total	936
<i>(68) Toledo, Ohio, Rifle and Pistol Club</i>	
Henry Yunker	194
R. W. Roberts	192
H. S. Crawford	186
J. W. Taylor	182
H. G. Affleck	182
Club total	936

<i>(69) Scott, Ark., Rifle Club</i>	
Dr. Henry Thibault	190
W. O. Scott	189
Jno. M. Moose	189
R. L. Pemberton	186
H. T. Brown	181
Club total	935
<i>(70) Casenovia, N. Y., Rifle Club</i>	
H. C. Thorne	197
C. D. Hutchinson	187
G. L. Woodworth	183
R. D. Magee	183
S. M. Thomas	182
Club total	932
<i>(71) Princeton, N. J., Athletic Club Rifle Association</i>	
A. Krepach	190
E. Hunt	188
H. M. Peach	186
A. Pardee	184
W. J. Garver	179
Club total	927
<i>(72) Newport, Ky., Rifle Club</i>	
C. R. Ferrell	191
Carl Kattenhorn	187
Fred Hafer	186
W. E. Klein	180
Ben Colker	180
Club total	924
<i>(73) Durham, N. C., Rifle Club</i>	
W. A. Bryan	187
James Rose	187
I. G. Hershey	186
D. K. Lockhart	180
Beal Faucette	180
Club total	920
<i>(74) Premo Industrial Rifle and Rev. Club, Ohio</i>	
F. C. Sherman	199
P. Voelckel, Jr.	191
V. Osborn	178
J. H. McKenny	178
E. Goff	173
Club total	919
<i>(75) Grand Forks, N. D., Rifle Club</i>	
S. S. Caswell	187
H. G. Woutat	186
L. R. Feetham	184
J. H. McNicol	181
W. C. Allen	180
Club total	918
<i>(76) Ashburnham, Mass., Rifle Club</i>	
J. Briggs	197
W. Barlow	185
J. Gandreau	181
J. Harris	180
J. Morley	172
Club total	915
<i>(77) Duluth, Minn., Spanish War Rifle Club</i>	
Ed. Blackwood	187
H. Hepler	186
V. L. Baker	181
E. Hibbard	181
L. Chapman	180
Club total	915

<i>(78) Bureau of Chemistry Rifle Club, District of Columbia</i>	
F. J. Swingle	193
D. A. Teller	186
J. A. McLaughlin	186
J. J. Huff	181
H. C. Hunter	165
Club total	911
<i>(79) Lakewood, N. J., Rifle Club</i>	
Dr. C. O. H. Kayser	194
Richard C. Plumer	184
C. C. Newman	179
Harvey Newman	177
Bowdoin Plumer	177
Club total	911
<i>(80) Middleboro, Mass., Rifle Club</i>	
A. E. Jenney	188
H. L. Pember	181
R. F. Bowen	181
H. S. Wood	178
R. W. Drake	178
Club total	906
<i>(81) Salem, Ore., Rifle Club</i>	
J. F. Day	187
H. Doe	182
A. B. Poole	181
B. Whaley	178
J. F. Rosenberg	176
Club total	904
<i>(82) Santa Fe, New Mexico, Rifle Club</i>	
C. Wood	188
H. S. LeDuc	184
B. H. Gibbs	179
H. G. Hogle	177
F. Parkhurst	176
Club total	904
<i>(83) Reo National Rifle Club, Mich.</i>	
T. M. Hill	189
Floyd Werts	187
K. S. Hart	183
L. White	177
H. S. Applegate	167
Club total	903
<i>(84) Danbury, Conn., Rifle Club</i>	
C. H. Daley	189
J. R. Perkins	182
F. David	181
R. Sears	174
Congelton	174
Club total	900
<i>(85) Highland, Cal., Rifle Club</i>	
G. W. Fitzgerrell	187
F. Sherman	185
W. Roddick	176
D. H. Roddick	176
E. I. Barnes	176
Club total	900
<i>(86) Louisville, Ky., National Rifle Club</i>	
Von Siebenthal, Jr.	189
A. Groeschel	179
V. C. Beckhart	176
E. Groeschel	175
E. C. Willis	174
Club total	893

<i>(87) Saginaw, Mich., Rifle Club</i>	
H. Vogt	191
C. Vogt	190
R. McIntosh	170
J. Trombley	170
A. Lynch	170
Club total	891
<i>(88) Second Team, Joliet, Ill., Rifle Club</i>	
R. W. Bush	192
Carl McKee	175
R. R. Sidell	173
Charles T. Buell	172
W. H. Harpham	171
Club total	883
<i>(89) Davy Crockett Rifle Club, Texas</i>	
M. M. Neussle	183
C. A. Homer	177
W. C. Reuter	177
J. W. Scofield	176
Paul Lindgren	169
Club total	882
<i>(90) First Team, Kiowa, Kans., Rifle Club</i>	
R. P. Primm	187
G. R. Ellis	176
R. Guforth	175
T. Thornburg	170
J. P. McBrayer	167
Club total	875
<i>(91) First Team Joliet, Ill., Rifle Club</i>	
J. C. Kimball	185
H. D. Grose	178
E. J. Lewis	175
J. M. Large	160
C. H. Barber	153
Club total	851
<i>(92) Torrington, Conn., Rifle Club</i>	
C. E. Bennett	169
F. J. Simmons	168
E. P. Bournique	168
E. J. Martin	162
W. L. Miller	157
Club total	824
<i>(93) Varnum Continentals Rifle Club, East Greenwich, R. I.</i>	
Walter O. Barber	172
Henry C. Banks	169
Philip C. Means	160
Harry E. Nichols	159
Howard C. Allen	156
Club total	816
<i>(94) Litchfield, Conn., Rifle Club</i>	
Geo. Guion	168
Hobart Guion	167
J. Meraghan	161
A. Clock	157
J. L. Kerwin	155
Club total	808
<i>(95) Lamar, Colo., Rifle Club</i>	
C. J. Laughlin	166
J. E. Brownlee	164
K. A. Shanner	160
R. Shutts	159
R. M. Ford	156
Club total	805

(96) *Bedford, N. Y., Rifle Club*

W. Vallance	181
T. Johnson	156
W. Baily	155
G. Spies	152
W. D. Higgins	152
Club total	796

Reports missing for the eighth match:

Buffalo, N. Y., Rifle Club.
Olympic Rifle and Pistol Club, Cal.
Hydraulic Rifle Club, Cleveland, Ohio.
Bureau of Engraving and Printing Rifle Club, District of Columbia.
Salmon, Idaho, Rifle Club.
Sudbrook Park Rifle Club, Baltimore, Md.
Second Team, Kiowa, Kansas Rifle Club.
Des Moines, Iowa, Rifle Club.
Westfield, N. J., Rifle Club.
Tulsa, Okla., Rifle Club.

College Teams

(1) *Washington State College, Pullman*

Wm. E. Saupe	200
John E. Geue	200
Wm. L. McCredie	198
K. D. Ross	198
Ted. H. Farr	197
Club total	993

(2) *West Virginia University, Morgantown*

C. W. C. McDowell	200
K. L. Marshall	199
C. O. Riggs	199
V. L. Flinn	193
A. K. Carroll	193
Club total	984

(3) *University of Tennessee, Knoxville*

J. T. Muse	198
C. R. Morse	197
C. E. Hollister	197
G. M. Carroll	197
C. C. Cassetty	195
Club total	984

(4) *Michigan Agri. College, East Lansing*

R. A. Pennington	196
B. W. Berridge	194
R. M. Shane	194
R. D. Kean	193
S. W. Harmon	192
Club total	969

(5) *Norwich University, Northfield, Vt.*

J. F. Loughlin	197
M. H. Greene	192
P. M. Martin	191
R. E. Knapp	186
C. A. Shinquin	184
Club total	950

(6) *Notre Dame, Ind., University*

Ge. Reinhardt	190
H. Rivas	187
J. Young	187

Rodney Cullen	185
W. Navin	185
Club total	934

(7) *Massachusetts Agricultural College, Amherst*

F. H. Canlett	191
E. F. Parsons	189
A. B. Loring	187
H. M. Rice	186
A. L. Frellick	181
Club total	934

(8) *State University of Iowa, Iowa City*

Horace Hinkley	193
L. Case	189
Hans Kuhlmann	186
Frederick Cox	181
Robert Hammer	173
Club total	922

(9) *Cornell University, Ithaca, N. Y.*

G. Rickard	188
J. Gebbard	186
K. N. Ericke	183
J. W. Stockett	182
T. J. Ryan	181
Club total	920

(10) *Bowdoin College, Brunswick, Me.*

Philip Johnson	192
Richard Schlosberg	185
Rufus Tillson	178
N. McConaughy	176
Edward Ellus	176
Club total	907

(11) *University of Pennsylvania, Philadelphia*

B. V. Abbott	187
I. S. Guest	184
E. H. Ten Broeck	180
R. L. Watkins	178
P. D. Ten Broeck	175
Club total	904

(12) *Worcester, Mass., Polytechnic Institute*

Bredenberg	187
Sessions	181
Holton	179
Crane	179
Darling	175
Club total	901

(13) *University of Michigan, Ann Arbor*

J. P. Thompson	188
H. P. Nicholson	181
M. B. Cutting	181
A. Jacoby	174
H. Waterbury	172
Club total	896

(14) *U. S. Naval Academy, Annapolis, Md.*

J. Wright	187
A. G. Wright	180
W. P. Richards	179
Bathbun	176
Schoeffel	174
Club total	896

(15) *University of Illinois, Urbana-Champaign*

H. Weller	178
H. O. Swindler	176
W. J. Munn	175
H. H. Worner	173
B. K. Murphy	173
Club total	875

(16) *University of Vermont, Burlington*

J. W. Meachen	185
W. R. Erickson	180
G. C. Stanley	174
A. W. Stanley	172
R. E. Wilcox	163
Club total	874

(17) *University of California, Berkeley*

B. P. Puckett	180
C. Howell	174
H. P. Detwiler	173
H. Hardison	171
B. S. Haynes	169
Club total	867

(18) *University of Nebraska, Lincoln*

H. E. Gribble	179
E. T. Kelly	173
L. H. Andrews	171
L. A. Wilson	171
J. L. Warner	170
Club total	864

(19) *Princeton, N. J., University*

G. F. Hasslacher	182
K. M. Day	172
J. Horne	170
W. B. Harris	166
S. E. Brewster	160
Club total	850

(20) *Iowa State College, Ames*

Frank Hanson	176
C. W. Methfessel	169
R. A. Case	167
Wm. T. Barrans	166
L. G. Wilhelm	164
Club total	842

(21) *New York State College of Forestry, Syracuse*

H. M. Meloney	189
E. W. Phillips	185
A. G. Gibson	171
M. J. Saule	151
Watkins	142
Club total	838

(22) *Pennsylvania State College, State College*

W. W. McMillin	179
H. M. Y. Seigenfuse	167
G. W. McCool	164
G. D. Musser	163
H. A. Bronson	161
Club total	834

(23) *Kansas State Agricultural College, Manhattan*

A. Hinzy	191
R. McKonough	185
H. Forman	184

R. A. Stratford	161
J. C. Morton	111
Club total	832

(24) *Mass. Institute of Technology, Cambridge*

G. R. Bond, Jr.	179
J. C. Irwin, Jr.	165
T. E. Stahl	164
H. M. Noelke	163
A. E. Tuttle	160
Club total	831

(25) *Clark College, Worcester, Mass.*

Livermore	177
Wilder	176
Dunham	156
Mitchell	156
Clark	154
Club total	819

(26) *University of Maine, Orono*

R. L. Emerson	174
W. S. Stevenson	162
E. J. Wade	161
A. H. Marden	160
V. H. Wallingford	142
Club total	799

(27) *Williams College, Williams-town, Mass.*

Bartram	165
Smith	162
Swain	161
Wilson	150
Lindsay	149
Club total	787

(28) *Connecticut Agricultural College, Storrs*

G. L. Prindle	179
L. D. Crosby	160
A. W. Miller	150
H. G. Maguire	149
F. W. Wooding	148
Club total	786

(29) *Oklahoma Agricultural and Mechanical College, Stillwater*

R. R. Spencer	166
Claude Rouse	165
M. Walker	154
O. D. McNeely	150
Wm. Lindsay	150
Club total	785

(30) *Ohio State University, Columbus*

T. E. Holman	174
R. P. Tappenden	165
R. J. Markey	162
E. H. Giesy	141
J. D. Macklin	126
Club total	768

(31) *Dartmouth College, Hanover, N. H.*

C. L. Phillips	180
W. S. Ross	166
L. F. Small	129
J. Perkins	94
Club total	569

Reports missing for the eighth match:

- Columbia University, New York City.
- Rensselaer Polytechnic Institute, Troy, N. Y.
- Oregon Agricultural College, Corvallis.
- Johns Hopkins University, Baltimore, Md.
- Mississippi Agricultural and Mechanical College, Agricultural College.
- North Dakota Agricultural College, Agricultural College.
- Georgia School of Technology, Atlanta, Ga.
- University of Idaho, Moscow.

Military Teams

(1) *New York Military Academy, Cornwall-on-Hudson*

A. A. Young	195
J. Mann	193
S. D. Kilmarx	192
J. H. O'Brien	191
G. F. Marshall	191
Club total	962

(2) *Tennessee Military Institute, Sweetwater*

Cadet Sgt. C. Jones	192
" Pvt. Boughton	191
" Sgt. Gillespie	191
" Lt. Fogg	191
" Pvt. Allen	191
Club total	956

(3) *St. Johns Military Academy, Delafield, Wis.*

Cadet Leidgen	193
" Craig	191
" Strahlow	190
" Russell	190
" Onderpool	186
Club total	950

(4) *Culver, Ind., Military Academy.*

Charles Denby	169
V. M. Covington	168
Carl M. Issel	161
C. Root	160
I. Colley	154
Club total	812

(5) *Miami Military Institute, Germantown, Ohio.*

Giffin	187
Merrill	180
Thorpe	160
Creith	142
Moskowitz	140
Club total	809

(6) *Mt. Tamalpais Military Academy, San Rafael, Cal.*

A. Pollock	160
R. Calles	158
R. B. Carr	155
F. C. Taylor	149
C. V. Callender	148
Club total	770

(7) *Shattuck School, Faribault, Minn.*

H. E. Fite	163
E. H. Johnson	150
H. R. Ogden	149
G. S. Patty	145
H. H. Garrett	122
Club total	729

(8) *Hitchcock Military Academy, San Rafael, Cal.*

Arthur Latno	154
C. P. Meussdorffer	150
O. Losey	145
L. Williams	143
M. Strain	127
Club total	719

(9) *Columbia Military Academy, Tenn.*

Cadet Allen	170
Cadet Wurdeman	164
Cadet Adams	143
Cadet Pearce	117
Cadet Rogers	111
Club total	705

(10) *Bingham School, Asheville, N. C.*

J. Buie	142
Bartleron	141
Sumner	136
Johnston	130
Denny	125
Club total	674

Reports for the eighth Match missing:

Hill Military Academy, Portland, Ore.

Wenonah, N. J., Military Academy.

Northwestern Military and Naval Academy.

Bordentown, N. J., Military Institute.

Kemper Military School, Boonville, Mo.

Nazareth Hall, Pa., Military Academy.

High School Teams

(1) *Placer Union High School, Cal.*

R. Conroy	195
T. Schuster	194
L. Hamilton	193
J. H. Robinson	193
W. Dellinger	192
Club total	967

(2) *Iowa City, Iowa, High School.*

O. Darner	194
J. Helleher	193
P. Osborne	193
John Dondore	192
C. Smith	189
Club total	961

(3) *Cedar Rapids, Iowa, High School.*

Barton Pope	191
E. McArthur	189
James Harned	185
John Agnes	178
A. Moore	170
Club total	913

(4) *McKinley Manual Training High, District of Columbia.*

W. Stites	182
I. Roberts	181
E. Russell	181
Tice	177
F. E. Johnston	176
Club total	897

(5) *Burlington, Iowa, High School.*

H. Bigler	186
C. Alvis	178
Ewinger	175
Geo. Carlson	171
Yoke	168
Club total	878

(6) *Jamaica, L. I., N. Y., High School.*

Clement Kellogg	178
Harry Van Allen	178
B. Helmer	176
B. Marters	171
Arthur Wehle	161
Club total	864

(7) *Erasmus Hall High School, Brooklyn, N. Y.*

Marshall Grout	179
B. Abel	178
A. Brownell	175
S. Duncan	166
William Edwards	165
Club total	863

(8) *Central High School, Grand Rapids, Mich.*

R. Bloomer	178
K. Rindge	176
N. Schuldt	166
A. Spraker	165
D. Scott	163
Club total	848

(9) *New Haven, Conn., High School.*

Ryan	184
Halper	180
Nolan	172
Wright	155
Treat	151
Club total	842

(10) *Dixon, Ill., High School.*

Edgar Hoff	182
David Barton	178
Clyde Emmert	158
Earl Shepherd	149
Elwin Wadsworth	145
Club total	812

(11) *Baltimore, Md., City College.*

Reinhard	166
Van Ness	164
Mulliken	161
Whalen	161
Wilkins	152
Club total	804

(12) *Western High School, District of Columbia.*

Willis	172
A. Hastings	162
G. Hastings	159
Shoemaker	156
Hancock	142
Club total	791

(13) *Lewis and Clark High School, Spokane, Wash.*

Louis Moss	179
J. Parkhurst	170
Wm. McGinnis	165
H. Peterson	143
J. Stagg	126
Club total	783

(14) *Northfield, Vt., High School.*

Edward Smith	164
R. Warner	160
F. S. Hubbell	144
W. B. Orser	142
Paul Colman	134
Club total	744

(15) *University High School, Laramie, Wyo.*

Harmon Baillie	146
Oliver B. Knight	144
Rodney Jones	144
O. B. Hunter	141
Kenneth Burk	135
Club total	710

(16) *Smith Academy Manual Training School, St. Louis, Mo.*

J. F. Muguerza	161
E. Spiegelhalter	154
S. D. Capen, Jr.	134
A. C. Carr	121
S. E. Harrison	120
Club total	690

(17) *Crosby High School, Waterbury, Conn.*

Horan	134
W. B. Pape	130
A. Pape	99
Dall	73
Milkowski	56
Club total	492

Reports missing for the eighth Match:

Salt Lake, Utah, High School.

East Central High School, District of Columbia.

Morris High School, New York City.

Sacramento, Cal., High School.

Lowell, Mass., High School.

Vermilion High School, Danville, Ill.

East Orange, N. J., High School.



N. R. A. Membership Button

Bronze, 15 cents each
 Bronze, 14 cents lots of 25
 Bronze, 13 cents lots of 50
 Bronze, 12 cents lots of 100 Gold, \$2.50 each

These buttons, together with membership cards, make attractive credentials for Rifle Club Members. FOR SALE BY

ARMS AND THE MAN

Astor Cup Match to Follow Interclub Gallery Competitions

AS soon as the Interclub Gallery Competitions conclude, the High School Clubs will begin the annual contest for title to the Astor Cup.

The Astor Cup Match for 1917 will be shot during the period between April 15th, when the entries close, and April 30th. The match is open to teams of ten members from any school-boy rifle club. The five highest scores will count for the team record. A club may enter more than one team, if desired, but an additional entry fee is required for each additional team.

The winning of the Astor Cup carries with it, for the victorious team, the title of Interscholastic Champions of the United States, and, in addition to high schools, private preparatory and military-school rifle clubs are eligible.

The Astor Cup has been in competition since 1909, when it was won by the Morris High School, New York City. In 1910 it was won by the DeWitt Clinton High School, New York City; in 1911, 1912, 1913 and 1916 by the Iowa City, Iowa, High School; in 1914 by the Salt Lake City, Utah, High School, and in 1915 by the Stoneham, Massachusetts, High School.

The conditions governing the Astor Cup Match are:

The match is open to teams of ten pupils from any National Rifle Association school-boy rifle club of public, private or military school, the five highest scores to count for the team's record score. Competitors to be bona-fide scholars of the school which they represent, certificate to this effect to be furnished by some duly authorized authority. A club can enter more than one team provided an entry fee is paid for the extra team or teams. A competitor cannot shoot on more than one team.



The Astor Cup

Distance—Fifty feet from end of rifle to target.

Target—The National Rifle Association 50-foot Competition Gallery target, issued especially for the Match by the National Rifle Association. No other targets can be used. The targets to be returned to the office of the National Rifle Association after being shot on.

Number of Shots—Twenty for record, each boy; 10 standing and 10 prone. Two sighting shots allowed at beginning of score, but they must not be shot on Match targets.

Position—Standing; body and rifle must be free from all support. Prone, head toward

target; rifle, forearm and hand must be free from all artificial support. Use of strap allowed in the prone position only.

Rifle—Any .22-caliber rifle weighing not over ten pounds.

Sights—Any, in front of the firing pin, not containing glass.

Trigger Pull—To be not less than three pounds.

Ammunition—.22 caliber short.

Judge and Witness—The National Rifle Association of America will appoint a judge and witness to supervise the firing of each team entered, and no scores will be accepted unless such judge and witness are present when the scores are shot. The official targets will be sent to the judge, who will take entire charge of same before, during and after the shoot. The judge and witness will certify to the proper carrying out of the conditions of the Match only. The determining of the value of the shots will be done by a special committee in the office of the National Rifle Association, who will announce the results.

Entrance Fee—Two dollars per team; extra teams, \$2.00 per team. No entry will be accepted unless accompanied by the entrance fee. Entries will close April 15th.

Match, when Shot—The record scores will be shot on home ranges during the period between April 15 and April 30. Scores not turned in by May 10 will not be considered.

Prize—The "Championship Astor Cup," to be held by the school represented by the winning team for one year, when it will again be put in competition by the National Rifle Association. Silver medals to the individual members of the winning team; bronze medals to the second team. The cup will become the property of the school winning it most times in twenty years.

THE ZETTLER MATCH

(Continued from page 10)

100-SHOT MATCH—

The Scores:

Arthur Hubalek, Brooklyn, N. Y.	125 123 124 125 122 124 124 125 123 125	123 123 124 125 123 124 122 124 125 123	248 246 248 250 245 248 246 249 248 248—2476
Dr. W. G. Hudson, Wilmington, Del.	124 123 125 123 124 122 124 123 124 124	124 125 124 124 124 123 122 122 124 123	248 248 249 247 248 245 246 245 248 247—2471
H. M. Pope, Jersey City, N. J.	123 124 122 125 122 124 122 123 121 123	121 125 124 125 123 125 124 124 125 124	244 249 246 250 245 249 246 247 246 247—2469
J. J. Hunzicker, Hartford, Conn.	245 247 249 243 244 250 246 249 245 246—2464		
P. E. Brooks, Newport, R. I.	246 245 246 246 249 242 245 244 250 246—2459		
L. C. Buss, Montclair, N. J.	244 241 247 249 248 245 245 243 248 246—2456		
E. Koegler, Jersey City, N. J.	245 241 243 245 246 250 246 246 241 243—2446		
J. Kaufmann, Valley Stream, L. I.	244 242 244 247 245 246 242 245 246 245—2446		
P. A. Raymond, Greenwich, Conn.	244 248 238 247 242 248 241 246 246 245—2445		
G. W. Chesley, New Haven, Conn.	245 245 246 240 243 246 244 247 244 244—2444		

Chas. Zettler, N. Y. City.	246 241 245 248 243 246 243 243 242 242—2439
L. Neusslein, West Hoboken, N. J.	244 244 247 244 241 247 234 245 246 247—2439
W. A. Tewes, Jersey City, N. J.	239 243 244 244 245 245 248 241 245 240—2434
P. J. O'Hare, Newark, N. J.	241 245 245 241 245 240 245 245 243 241—2431
W. A. Lemcke..	2421
J. Williams, Jr..	2418
M. Dorrlor	2415
S. N. Murphy...	2414
O. Smith.....	2408
R. Goldthwaite..	2407
A. Mandelli.....	2402
J. Rivers.....	2398
J. J. Young.....	2394
A. H. Hofer.....	2386
F. Bush, Jr.....	2383
C. A. Schray...	2365
J. Heuls.....	2361
John E. Ward..	2360
A. Begerow....	2350
A. McBean.....	2349
J. G. Leipold..	2348
L. Maurer.....	2337
A. Cairnes.....	2332
H. Mindermann	2316
George Schlecht	2315
Dr. DeFelice...	2314
F. Busch.....	2308
L. H. Haight...	2301
C. H. Yost....	2288
Jos. Fueger....	2276
W. A. Strawson	2240
D. Blanke.....	2212
L. Ihrig.....	2197
L. Vogel.....	2159
W. Zettler.....	2151
C. Zettler.....	2090

CONTINUOUS MATCH

A. Hubalek.....	75 75 75
Dr. W. G. Hudson..	75 75 75
J. J. Hunzicker.....	75 75 75
H. M. Pope.....	75 75 74
L. C. Buss.....	75 75 74
P. E. Brooks.....	75 74
E. Koegler.....	75 74
G. Chesley	75 74
J. Kaufmann	75 74
P. A. Raymond.....	74 74
L. Neusslein.....	74 74

C. Zettler	74	A. Mandelli.....	73
M. Dorrlor.....	74	O. Smith.....	73
P. J. O'Hare.....	74	A. H. Henfee....	73
W. A. Tewes.....	74	A. McBean.....	72
C. H. Yost.....	74	J. Williams, Jr..	72
S. N. Murphy....	74	J. J. Young.....	72
A. Begerow	73		

PREMIUMS

(Best Five Targets)

A. Hubalek	75 75 75 75 75
Dr. W. G. Hudson	75 75 75 75 75
J. J. Hunzicker.....	75 75 75 75 75

BULL'S-EYE MATCH

	Deg.	J. Hunzicker....	11½
M. Dorrlor.....	7	H. M. Pope....	12½
C. Zettler	8	Sanford	12½
P. E. Brooks... 8		E. Koegler....	13½
A. Mandelli.....	9	J. E. Ward.....	14
L. C. Buss.....	9½	G. Chesley....	15
S. N. Murphy... 9½		A. McBean....	15
J. Heuls.....	10	Belvedine	15
R. Goldthwaite.	10	H. Ihrig	16
F. N. Bund.....	10½	J. G. Leipold....	16

MOST BULL'S-EYES

S. N. Murphy	36
L. C. Buss	29
J. E. Ward	27

ZIMMERMAN TROPHY

E. Koegler	10	9½	10	—29½
L. C. Buss	14	14	11	—39
H. M. Pope	15½	15½	11½	—42½

Civilian Clubs admitted to N. R. A. membership during the past week include:

Connecticut.

Sound Beach Rifle Club—Douglas N. McEvoy, secretary; Jas. H. Graham, president; Andrew J. Kellock, vice-president; Francis S. Knox, treasurer; Samuel K. Thomas, executive officer. Membership, 50.

District of Columbia.

Washington Y. M. C. A. Rifle Club—Mil-lard M. Rice, secretary; Chas. E. Miner, president; Jas. W. Love, vice-president; L. L. Hale, treasurer; James A. Ryan, executive officer. Membership, 49.

Massachusetts.

Brockton Business Men's Rifle Club—Wil-lard F. Jackson, secretary; Wm. Lays, president; Herbert A. Snow, vice-president; H. B. Holmes, treasurer; Wm. L. Puffer, executive officer. Membership, 26.

Johns-Manville Rifle Club—C. B. Atwater, secretary; W. T. Roberts, president; H. P. Trainer, vice-president; C. R. Drake, treasurer; R. A. Potter, executive officer. Membership, 59.

Plainville Rifle Club—John A. Kennerson, secretary; Howard W. Rice, president; Wesley H. Burton, vice-president; Hermon S. J. Loud, treasurer; Fred K. Hartman, executive officer. Membership, 11.

Sherburne Rifle Club—Wm. J. Blair, secretary; George A. Folger, president; Arthur G. Rand, vice-president; Reuben G. Coffin, treasurer; Edmund P. Crocker, executive officer. Membership, 16.

Michigan.

Glen Haven Rifle Club—James Smith, secretary; D. H. Day, Jr., president; P. J. McCauley, vice-president; Wade Cable, treasurer; John Gerndt, executive officer. Membership, 20.

New York.

City Athletic Club Rifle Club, New York—Milton A. Fishel, secretary; Walter B. Milkman, president; George Topplitz, vice-president; I. Richard Ratner, treasurer; Walter Selinger, executive officer. Membership, 20.

West Hills Rifle Club, Huntington, New York—Thomas F. White, secretary; Henry L. Stimson, president; Floyd Baylis, vice-president; Francis L. Robbins, treasurer; Herman Swezey, executive officer. Membership, 15.

South Dakota.

Frederick Rifle Club—J. J. Callaghan, secretary; J. C. Campbell, president; Paul Gorder, vice-president; J. R. Chase, treasurer; B. S. Burkett, executive officer. Membership, 26.

Harrold Rifle Club—Gottlieb Winckler, secretary; H. N. Marso, president; John Bohning, vice-president; H. O. Bard, treasurer; Andrew Strom, executive officer. Membership, 10.

Washington.

Steptoe Rifle Club—Lewis Stairer, secretary; M. C. Handley, president; Ollie Cooper, vice-president; E. E. Boehm, treasurer; G. H. Noe, executive officer. Membership, 16.

Wyoming.

Basin Rifle Association—Wm. C. May, secretary; Robt. P. Pearson, president; Thomas Lamb, vice-president; Delbert L. Davis, treasurer; J. W. Osborn, executive officer. Membership, 15.

Green River Valley Rifle Club, Big Piney—Henry L. Thackwell, secretary; Royal A. Young, president; Clifton Fear, vice-president; Chas. P. Budd, treasurer; Henry King, executive officer. Membership, 22.

Greybull Rifle Club—Tom Scott, secretary; A. W. Swanson, president; A. A. Daley, vice-president; C. M. Loring, treasurer; Robert Garnett, executive officer. Membership, 40.

To Keep Down Cost of Sport

Trapshooting Association Offers Suggestions to Trapshooters That Will Save Money and Make for Better Shooters

IT costs a little more money to indulge in trapshooting today than it did a year or two ago. The same applies to all other outdoor sports. The complaint is universal, but not very loud, for there is more money in circulation today than there was a year ago, and nearly everyone has benefited by America's prosperity.

These outdoor sports—especially trapshooting—are no longer considered an expense. They are entered on the opposite side of the ledger among the assets. As I said in a previous article, Americans are sport-loving people and are quite willing to pay for their pleasure.

This is proven by the great increase in the number of men and women who are interested in outdoor sport—not merely interested, but active participants. There are hundreds of thousands interested today that were not on the list a year ago. Americans more and more every year are getting away from the proxy idea in sport and taking up some game they can play themselves.

And while many take up golf, and many more tennis, trapshooting appears to be gaining the most, and has been for the past five years. Country clubs, yachting clubs, golf clubs, and organizations whose members are in position to take up any sport regardless of expense have gone in for trapshooting on an elaborate scale—so much so that more than 300 of these organizations throughout the country have installed traps and are conducting tournaments.

But there are some people, of course, who find the increase in sport of any kind a detriment to their pleasure—and to these people the Interstate Association for the Encouragement of Trapshooting offers some suggestions. The Interstate Association is advocating shorter programs in registered and club tournaments, and among the smaller clubs is advocating the "one man up" system.

It has been suggested that 125 targets instead of 150 be trapped in registered tournaments, and 50 targets instead of 100 be thrown in club tournaments, in the hope of relieving the present situation. The "one man up" system has been tried by many of the smaller clubs this spring and is well liked. By this method we mean that one man goes to the traps at a time and he shoots at five targets. By this method 25 shells will last one to two hours and 50 shells will last all the afternoon.

This is the system that prevails in live-bird shooting, and is well worthy of recognition by the trapshooters. It will give a shooter more time to assemble his thoughts and to concentrate, and also makes for a more social feeling. It will improve the marksmanship of the shooters, too. By this method a man has an opportunity of watching his fellow-shooters and studying their methods. Hence he makes faster progress and becomes a better shot because he studies the game more closely than he did when shooting in a squad of five that was going down the line at a record clip.

The club or shooter following the "one man up" plan is bound to be more successful for the reason that the shooters get more enjoyment out of the game. They get a greater amount of enjoyment out of the time spent at the club. Instead of shooting their 50 targets in 25 or 30 minutes, about two hours of actual time will be consumed.

We are living in an age of speed, but speed in trapshooting, especially for the novice, does not necessarily spell success; in fact, it

slackens development and provides a harder and more difficult route for the attainment of success.

The moral is plain. The solution of the problem is easy. Why not instill efficiency into our trapshooting at a consequent increase in enjoyment for all, together with a noticeable lessening of the expense? The present method of squad shooting is all right for tournaments, but let us be more sensible about our club shoots.

P. P. C.

Scattering Shot

When the first white man landed on these shores it is estimated that there were 10,000-000 elk here. Today there are less than 60,000.

Seven thousand bucks were killed in eighteen days in Vermont in 1915, and then the law was revised, and in 1916 only 1,700 bucks were bagged.

Politics have been removed from the Wisconsin State Game Commission and results obtained prove that politics in this line of work is a greater hindrance than in any other department. The income from licenses in Wisconsin in 1916 was \$227,261.40. Quite a neat sum.

Elk and mountain sheep have increased materially in Wyoming during the past year.

WANTS AND FOR SALE

Each subscriber of ARMS AND THE MAN is entitled when his subscription is paid up for one year, to one free insertion of a half-inch want ad in this column.

All he needs to do is to send in the advertisement for insertion at the same time calling attention to the date when his subscription was paid.

DO YOU SHOOT?—Your correspondence solicited on any matter pertaining to firearms and shooting.

Experts in our line, WE DO. All Kinds repairing and refinishing, special sight work, Accuracy proving, Gun selection, etc., Guns listed for sale and exchange. Pierce & Arnold, 370 Union Ave., Bridgeport, Conn.

FOR SALE:—Krag carbine in first class used condition \$10. William J. Harris, Pierre, S. D.

FOR SALE:—J. P. Sauer and Son Mauser rifle, cal. .30 for 1906 U. S. Govt. cartridge, matted rib, double set trigger, Lyman receiver sight No. 35, sling straps, Steward front bead, 5 auxiliary chambers and leather case. \$60.

Colt .22 auto pistol, shot about 20 times, \$17.
Savage rifle 250 / 3000 with Marble peep, 2 extra disks, Sheard gold bead, sling straps, 1 auxiliary chamber, barrel solid on rifle. \$30.

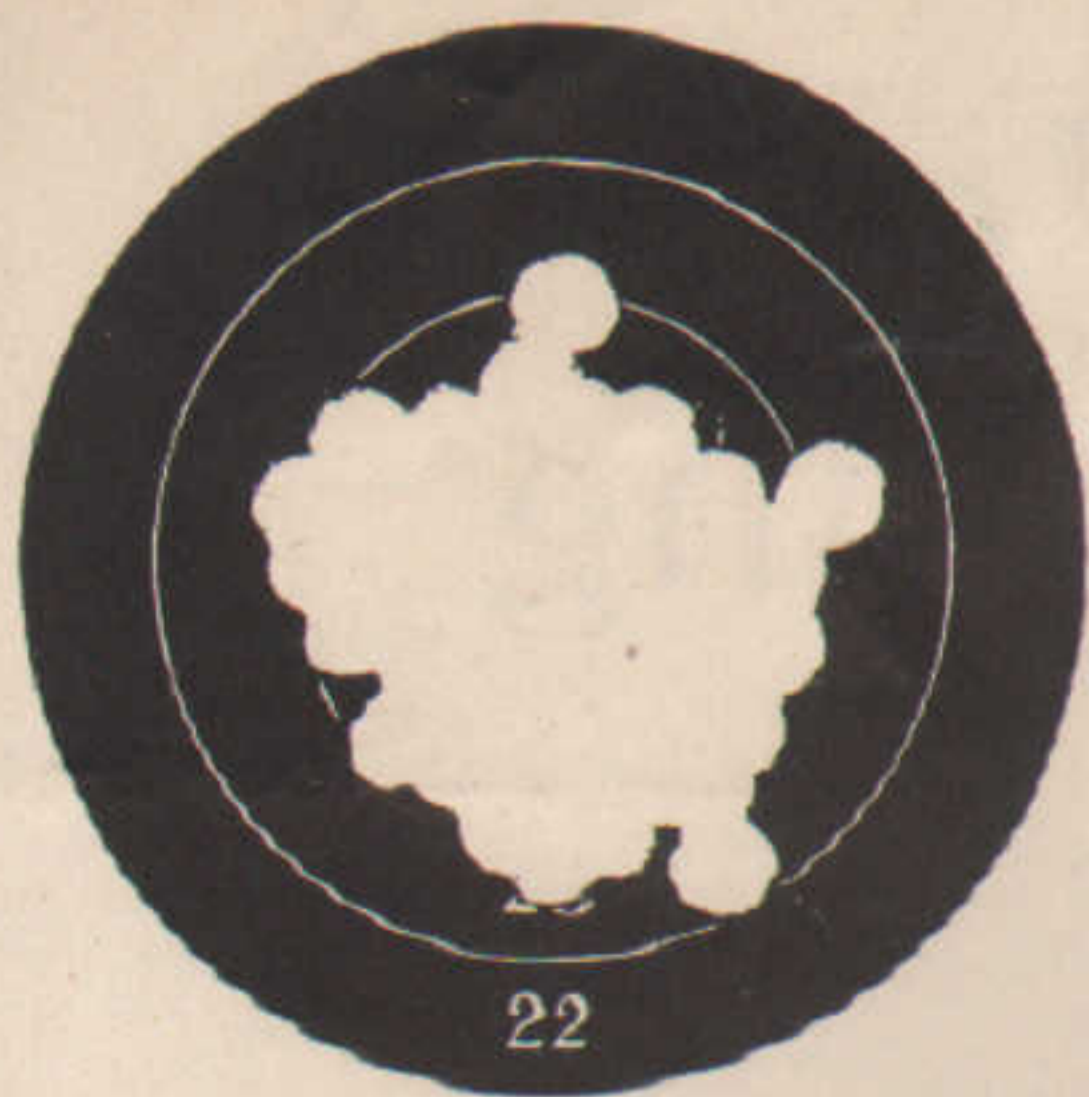
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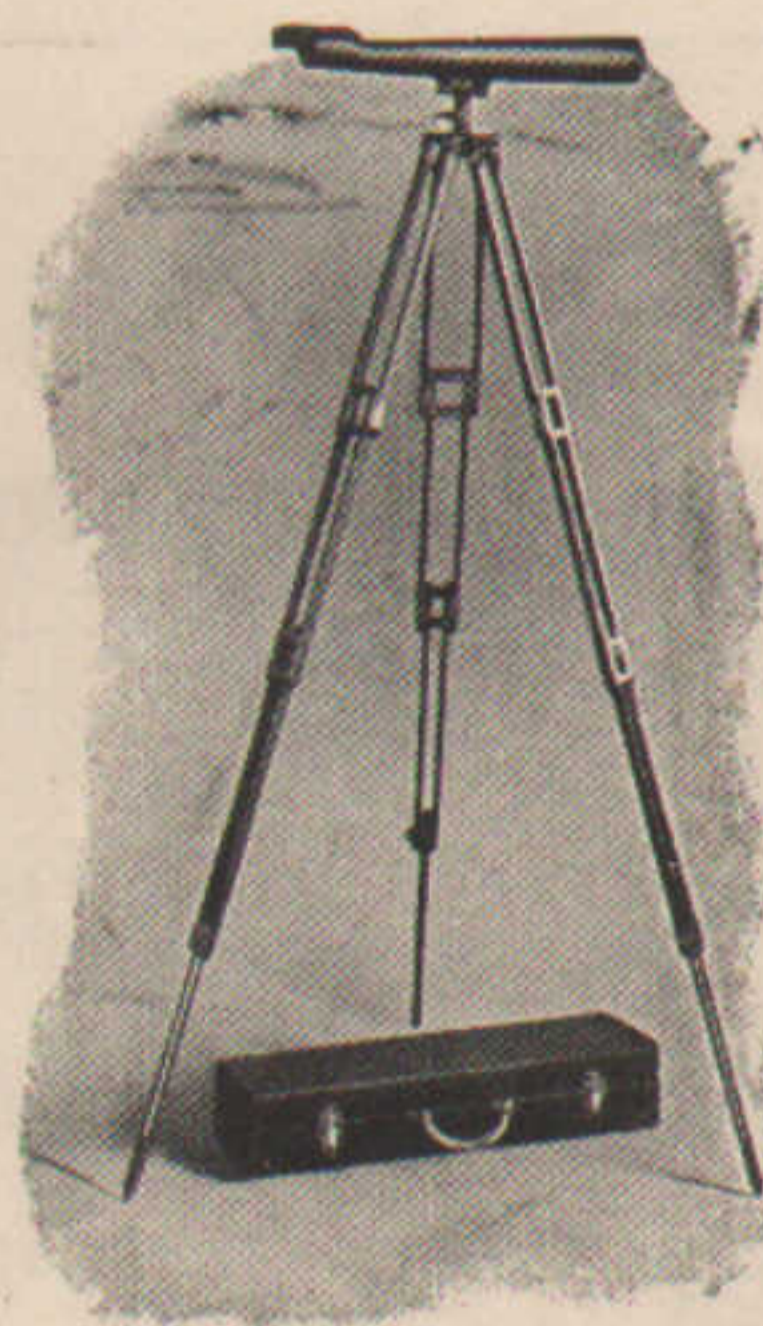
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