

RIFLE CLUB SHOWS

GREAT DEVELOPMENT

(Continued from page 1)

ated of rapid fire, kneeling at 200 yards, and slow fire. The scores attained by the team are as follows: S. Steward '17-147; G. A. Haslam '15-144; T. P. Parson '15-139; C. F. Dunn '15-138; M. F. Brandt '16 '136; F. L. Butterworth '17-134. In recognition of the high scores that they made Steward and Haslam were awarded the Varsity T with crossed rifles. This year, 1915, was the most successful year that the Rifle Club has had.

Changes in the organization of the team in 1915, together with those recommended by M. F. Brandt '15, captain of the rifle team in 1915, show, as much as any other thing, the great expansion of the club. In 1914, it had not attained any considerable size, and one man was perfectly capable of managing both the team and the club. The next year, however, there was altogether too much work for one man, so a president was elected to look after the business of the club and the captain was authorized to manage the team only. In 1916 Brandt recommended that the club have a manager who should hold no other position on the team. In other words, the team had grown to such an extent in that one year that the burden of managing, captaining, and coaching was considered too much for one man.

In 1918 the club experienced a most unfortunate season. During that year the Student's Army Training Corps was organized at the Institute. The rifle range was used all of the time by this organization and by the Naval Aviators, and so the Rifle Club had absolutely no facilities for shooting practice. No action was taken by the officers of the team until after the S. A. T. C. disbanded. As soon as possible the club was started again. About 100 men joined the club, and the first meeting was held January 24. At this meeting the following officers were elected: A. C. Atwater '20, president; J. F. Pierce '21, vice-president; W. N. Morrison '20, secretary; R. H. Skinner '21, treasurer; and J. R. Perkins '20, captain. Practice was to be held in the Cambridge Armory until the range in the Walker Memorial was completed. On February 17 the Walker range opened. The team started its work March 8.

Owing to the late beginning the team did not have sufficient time to prepare for the first National Rifle Association indoor match. Shortly after came a match with Tufts College, which was won by Technology. Then came a match with Harvard, which was also won by Technology. Due to the high scores which were attained in these two matches, the team and the manager were awarded the rT. This was the first time since 1915 that any letters were awarded.

Work began for the 1919 season on October 21, when a meeting of the members took place, and officers were elected. The result of the election was as follows: J. R. Perkins '20, president; M. C. Hawes '21, vice-president; L. J. Powers Jr., '22, secretary; K. B. White '20, treasurer; and G. G. Kearful '22, manager. At this meeting it was decided that the club dues for the whole year should be \$1.50. On October 28 it was announced that the range would be opened each day from 12.00 to 2.00 o'clock. An instructor is in charge during these hours, and scores made are recorded. Members may use the range for individual practice at other hours of the day.

The Rifle Club held its first smoker December 4. It was a very successful affair. Colonel Maybach spoke, and Mr. Day, from Read's Sporting Goods Store, exhibited a number of the latest models of sporting rifles. Following the smoker a one shot match was held. The winner, D. Skinner '23, was awarded 500 rounds of ammunition, and J. C. Nowell '23, the second best shot, received 200 rounds.

The club has received a large supply of .22 calibre ammunition, and also some Springfield rifles. Each member will get twenty rounds of the ammunition per day. After the Christmas vacation a call for new candidates will be made. In order to stimulate practice on the range, a ten shot match has been started, the winner to be awarded a fountain pen. A small supply of .30 calibre and .45 calibre ammunition for Springfield rifles and Colt automatic pistols respectively, is available to the club through the Department of Military Science. It is also possible for members to purchase Springfield rifles if they wish. The cost of the ordinary rifle is \$16.71, and \$19.71 for the star-gauged rifle. Gun slings can be bought for \$1.25, and ammunition at \$31.20 per case of 1200 rounds.

Lieutenant-Colonel F. M. Green will coach the team personally on Mondays and on Thursdays, and every candidate must report on one of these days. At least four targets

must be turned in each week by each man. The team will be chosen from the records on these targets, but the consistency of each man's work will also count in the selection of the team. Matches have already been arranged with Harvard, Tufts, Worcester, and Columbia.

New lights have been installed in the range, and the new mattresses for the prone tables have arrived. Members are advised to buy their own rifles, if possible, as they will be able to do much better shooting if they use the same rifle all the time.

There will be a meeting of the Rifle Club on January 5, in Smith Hall, room 10-250, at which Colonel Green will speak. A large attendance composed of both members and non-members is expected. Most of the members of last year's team are back. There are at present 160 men in the club, and all indications point to a very successful season.

SWIMMING TEAMS FACE

DIFFICULT SCHEDULES

(Continued from page 1)

made, both here at Technology, and at Leland Stanford University, the institution he attended before he matriculated at the Institute. Although an excellent plunger, his specialty is the 220-yard dash. He has covered this distance in the time of 2.40, and in all probability he will confine his efforts to this event during the coming meets.

No freshman leader has as yet been chosen. Among the yearlings who have been mentioned as possibilities for the honor are H. M. Hubbard, W. L. Stuart, T. W. Kenyon, and C. L. Day. It is probable that the first-year men will not hold elections until a few days before their first meet, which is scheduled for January 23, with the Huntington School of Boston. By that date they expect to have enough knowledge of the respective abilities of each man to enable them to choose as captain the man best fitted to fill the position.

Coach Alex Sutherland, when questioned lately by a representative of THE TECH in regard to Technology's chances for the coming season, asserted that the outlook was of the brightest. "I will be surprised," he said, "if our team this season does not prove to be the best that has ever represented the Institute. While few men remain from last year's team, the new material is all that any coach could ask. Several stars have developed during the last few weeks who are bound to be point-winners in any amateur meet.

"I am not making the mistake, however, of undertaking our opponents. Brown, the first team on the schedule, is stronger this year than ever before in her history. As for Yale, their teams are always of sterling caliber, and this season will prove no exception to the general rule. In fact, they are all good. We haven't a weak aggregation to face, but in spite of the quality of the opposition we are sure to run up against, I think that there is no doubt that Technology will show that she possesses a team that is qualified to rank with the best in the country."

Such a cheering statement certainly seems justified by the showing at recent practices. Among the varsity swimmers, Bard, Barker, Biddell, Bixler, Botting, Clarke, Colton, Cox, Captain Greene, Pratt, Scott, Trowbridge, and Young have all shown exceptional merit. The best of the plungers include Kendall, Lloyd, Ryan, Soule, Stalbird, and Williams. Ferdinand, Purinton, Skinner, Schley, Baldrige, Knight, and Gatewood are exhibiting mastery of the art of fancy diving. With such a constellation of stars to pick from, it will indeed be a difficult task to select the most representative team, and to date Coach Sutherland has not attempted to solve the problem.

He has, however, been giving special attention to several men, and it is not at all improbable that the majority of them will be found in the final line-up for all the big meets. He has been drilling with extra care both Kendall and Stalbird in the plunge. The latter has been covering good distances with almost unflinching regularity, and has averaged near seventy feet during the last week. B. A. Weber '22, formerly of Northwestern University, has shown good bursts of speed in the 150 and 220 yard dashes, and in the latter event has been timed at 2.40. Biddell has also exhibited more than average class in the dashes, and if he continues to improve should prove one of Technology's best hopes as a point-winner. At the present time Ferdinand and Skinner loom up as the premier candidates in the dive.

The freshman team, while it, too, has excellent prospects, does not

shape up as well as the varsity at the present writing. Several stars, however, shine prominently on the yearling squad. Among these are Hubbard, Stuart, Day, Kenyon, Kendall, Woodling, Muhlenburg, and Maury. The last two named are divers, while Kendall and Woodling are both plungers of the first caliber. But with the exception of these two men, the freshmen are lamentably weak in the plunge, and unless some others show the form that has been hoped for them, the first-year men will not gain an over-abundance of points in this event during the season. Their schedule, like that of the Varsity, is a hard one, as they meet some of the strongest preparatory schools in this part of the country, including Huntington School, Andover, Exeter and Worcester Academy. On March 20 they will be represented by a relay team at the annual Intercollegiate.

On the varsity schedule, Yale is undoubtedly the most formidable opponent the Cardinal and Gray will face. She has a galaxy of stars, including men from last year's team and other sterling performers from other colleges and preparatory schools, and under the coaching of Bob Kiphuth it is reported that her candidates have developed into the best representation ever possessed by Eli. Among the candidates are Captain Vorys, Galt and Reinhardt of the 1918 Intercollegiate championship team; Tom Dickens, C. L. Bailey, W. S. Bailey, Jr., French, Scully, and Walker of last year's team; Allen, captain of the championship 1913 Andover swimming team and also captain of the Yale freshman last year; Munger, Eagan, and Gauss of last year's freshman team. Technology will meet Yale in Boston at the C. M. C. A. tank on February 14, and the contest that will result should be worth going a long distance to witness.

Another opponent that will test the Team's strength to the utmost will be the University of Pennsylvania, with whom the Cardinal and Gray will clash in Boston on January 24, the first meet after the one with Brown. Coach Kistler has a well balanced team at Penn, with Eddie Shields as the leading performer.

Adherents to the Red and Blue claim that Shields is the best all-around swimmer in college ranks, being capable of turning in fast time from fifty to five hundred yards. He will swim as anchor man on the relay team with Captain Leopold, Armstrong, and Marter. There is, however, a dearth of fancy diving material at the Philadelphia institution. With the exception of Armstrong, Coach Kistler has not a good performer on the springboard. With the graduation of Elderkin, Penn lost a star plunger, Kohler and Bush are the best plungers Coach Kistler has at present.

The United States Naval Academy also has prospects for a record-breaking aggregation. Fish, formerly of the Institute, who starred three seasons ago, is at Annapolis and will compete for the Naval Academy. He will be among those who oppose the Technology swimmers on February 28, and it will be interesting to see him in action against his former teammates.

Little information is available at the present time concerning the abilities of the other teams that comprise Technology's schedule, but every report emanating from the rival pools seems to point that not one can be despised. Besides the colleges mentioned above, the Institute tankmen meet Amherst, Wesleyan, Harvard, Johns Hopkins, and possibly one other institution on March 6, which is still an open date. On March 13 the Varsity will be represented in the New England Intercollegiate in Boston, and on March 20, one week later, in the individual I. S. A. championships, at New Haven. This last event will end a season that at the present time promises to be the hardest and most grinding Technology swimmers have ever experienced.

MANY SCIENTISTS GATHER IN BOSTON

(Continued from page 1)

man Pathology, under the supervision of L. W. Fumalner, 2.00 o'clock—Business meeting, election of officers, reports of committees and miscellaneous business. Section on Immunology, under the supervision of C. G. Bull.

The Bacteriologist society has done much toward the advancement of that branch of science and is one of the youngest of the societies. It was founded about twenty years ago, Professor William T. Sedgwick of the Institute being its first president. It secured forty members then and fixed its membership at sixty, thereby limiting its own possibilities. The next year, however, the limit was raised to 100 and as the importance of Bacteriology grew the maximum membership was raised again to 200. Today it has 600 members and expects to have 1000 before long.

Dr. S. C. Prescott of the Institute is the present president, Dr. Charles

Krumweide, Jr., of the Department of Health in New York is vice-president, Dr. A. Parker Hitchens of Indianapolis is secretary-treasurer and the council is composed of Dr. Jean Broadhurst of the geachers College of Columbia, Dr. George H. Smith of the Yale Medical school and Dr. W. W. Ford of John Hopkins.

Geologists Hold Smoker

There are about 200 persons here to attend the thirty-second annual meeting of the Geological Society of America and the eleventh annual meeting of the Paleontological Society. The Geological Society of America was formed in 1888 as a development of the geological section of the American Association for the Advancement of Science. Its membership is composed of professional geologists of recognized attainments. They live in all parts of the United States. Many of them are members of the faculties of colleges and universities. The Paleontological Society, which, as the name indicates, is composed of geologists who devote special attention to the study of life as it existed in geologic time, will hold its separate sessions for the reading of papers and will, also, participate in several meetings of the Geological Society.

The meetings will be held in the Rogers Building. In addition to rooms used for the meetings, there will be rooms set aside for exhibition and conference purposes, where material, maps and photographs will be shown. It is announced that smoking and conversation rooms will be provided.

Held in connection with the meetings there will be a smoker in the Rogers Building on Monday night and a dinner at the Hotel Vendome on Tuesday night. During the convention groups of the scientists will visit the Harvard Museum, Technology, the Boston Society of Natural History and the Children's Museum. An important number on the programme of papers is the address of Professor John C. Merriam, president of the Geological Society, who, on Monday night, will speak upon "Earth Science as the Background of History." Professor Merriam is professor of paleontology and historical geology in the University of California and has written much on the geology of the Pacific Coast. Professor R. T. Jackson of Harvard University is president of the Paleontological Society. His address, delivered Tuesday afternoon, will be upon the topic: "Studies in Variation and a Proposed Classification of Variants."

Dr. J. R. Angell Speaks

The twenty-eighth annual meeting of the American Psychological Association is being held in Emerson Hall, Harvard University. The proceedings of the association cover a wide range of topics in many fields of psychological research and experimentation. In addition to the consideration of topics within their especial field, the members of the association will hear Dr. James R. Angell, dean of Chicago University, explain the plans contemplated for the continuance of the work of the National Research Council. This body created as a war-time measure for the coordination of scientific activities is regarded as filling a place of great importance to many branches of science in the United States, and there is a demand for its continuance. Dr. Angell will speak at a joint session of the Psychological Association and the American Anthropological Association.

Arrangements have been made for visits to a number of educational institutions and hospitals in Boston and its vicinity. Hotel Bellevue, will be the Boston headquarters of the association. The social features of the occasion will include a smoker, a dinner and a reception at the home of Professor H. S. Langfeld of Harvard University. Professor Walter Dill Scott of Evanston, Ill., is the president of the association. Professor Langfeld is the secretary and treasurer.

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