

premium would be placed upon fraud, deceit, and misrepresentation.

It is clear that the time has arrived when legislative enactments must be forthcoming which will restore the patent law to a sound position. The current judicial trend, visible from many signposts, is toward the elimination of patents as a factor in American economic life. The question of what is to be considered a patentable invention is but one of a number of questions to be considered as is indicated by the "Report of the National Patent Planning Commission" (XXV J.P.O.S. 455) and by the Committee Report to the Patent Law Associations of the United States, entitled "Program for the Development of American Patent Law and its Administration" (XXVI J.P.O.S. 104). Whether or not a "uniform test or standard" for determining patentability, as recommended by the Commission, is possible or practical is doubtful. There is no doubt, however, but that the "flash of genius" should not be that test or standard. A statute which does no more than eradicate this cancerous misconception and which leaves to courts of original jurisdiction the determination of each case upon its merits will be a real step forward.

C. I. T. NEWS

MECHANICAL ENGINEERING LABORATORY IN PROCESS OF CONSTRUCTION

Excavation for a Mechanical Engineering Laboratory was started in September. The building covers an area of approximately 50 by 70 feet opposite the Aeronautics Building, and adjacent to the alley which comes into the campus from San Pasqual Street. The building will consist of two basements and three stories above ground, and will house a portion of the Mechanical Engineering Department equipment and offices.

The immediate necessity for this building was the result of the large amount of space required for War Project work on the campus. In addition to providing quarters for the Mechanical Engineering Department some space will be temporarily utilized by the Construction and Maintenance group of the Institute.

It is of particular interest to note that the contract for the construction of this building was awarded to Ray Gerhart, class of '13, who is a Pasadena contractor. It is hoped that this laboratory will be the first of several units to be built after the war to provide for other facilities of the engineering departments. Present plans call for the completion of the unit now under construction some time in February, 1945.

1943-44 MEMBERSHIP

Affairs of the Caltech Alumni Association are conducted on a fiscal year basis from July first to June thirtieth, each year. An item which may be of interest to the Alumni is that concerning the number of participating members for the fiscal year ending June 30, 1944.

A recent tabulation shows that there were a total of paid members amounting to 1,200 and of these 171 were fully paid Life Members. It is somewhat difficult to arrive at a figure indicating the total number eligible for membership but based on an approximation of the number, we find that about 40 per cent of those eligible, actually paid dues for the support of the Association. Insofar as information is available concerning similar associations, it appears that this is a very good record.

ATHLETICS

UNDEFEATED, untied, and unscored on, Caltech's powerful football team closed an enthusiastic, but brief, season early in October. Final exams, Commencement and vacation placed a natural limitation on the schedule.

When the coach, Chief Specialist Mason Anderson, assembled the squad at the opening practice in August, it appeared that a strong and experienced team was in the making. Soon installed in starting positions were: Don Tillman (220), Associated Student Body President at center, John Sogorka (215) and Leo Coda (160) guards, Paul Kohlhaas (211), and John Nichols (195) tackles, and Don Snyder (195) and Howard Westlake (165) ends, Ross Dana (185) and Leo Voyles (180) halves, Bill Young (197) quarter and Bill Gulley (175) full. This lineup started all games. The line averaged 194, the backs 184 and the team 194. Dana, Young, Kohlhaas and Sogorka played at Stanford, and Gulley, Snyder and Coda had junior college experience. Tillman and Nichols were Caltech students as civilians and had played in high school.

In the opening game at the Rose Bowl, Tech trampled rough-shod over the Redlands Bulldogs 67-0. Striking swiftly behind a well oiled offense, the Beavers scored their first touchdown in five plays, and rolled up a 27-0 halftime score. Tech scored at will and even the playing of reserves for more than half of the game did not retard the scoring. The Engineers rolled up 17 first downs and 405 yards, while holding the Bulldogs to three downs and 28 yards.

Leo Voyles scored three times on reverse plays, while Ross Dana, at half, and Bill Gulley at full, were consistent ground gainers.

The return game at Redlands resulted in a 39-0 Tech victory and started out as a repetition of the preceding game. The Beavers scored in the first eight minutes on a 20-yard forward pass from Gulley to Dana and a 27-0 lead was again established at half time. In the second period, Redlands opened up with their spread formation and flanker passes, and while always threatening, never were able to penetrate the Caltech 20.

Playing in the Coliseum, Tech maintained its perfect record in trouncing the U.S.C. Jayvees 20-0. The Engineers took the opening kickoff and marched 88 yards to score in the first four minutes. Ross Dana put the ball in scoring position with a 38-yard run, and Leo Voyles scored on a reverse from the three-yard line. Three plays later, Voyles raced 65 yards on another reverse to score the second time. Final tally came in the third quarter when Bill Gulley plunged from the three-yard line, after a 56-yard march.

In the final game, Tech handed U.C.L.A. Bruin Jayvees a 33-0 defeat in the Rose Bowl. Sparked by Ross Dana, who crossed opponent territory twice, and was on the tossing end of another score, and Bill Gulley, whose deft aerials and runs set up three tallies, the Engineers tallied in every quarter but the third. When the final gun popped, the winners had marked up a total of 20 first downs against a mere four for the JV's.

Forty-five men were retained on the squad all season, and practically all men were used in all games. The starting lineup, however, was seldom used more than half of any one game.

Thus ended the season for the greatest football team in Caltech history. Coach Anderson produced a smooth and well drilled team, which was tops in all departments. The diversified attack and the precision in execution made it one of the most interesting of all Caltech football teams.