

Ball and Shot

By Dave Harmer

On October 4, 1957, at 8 P. M., the earth trembled and shook as the tremendous roar of a sleek, shiny object shot skyward to mark one of the greatest accomplishments of mankind in the realization of a life-long dream. It was an event that will inevitably change the course of the world and of history. Also, it will change man's concept of thinking. It was the launching of a man-made satellite, Sputnik I, a name now well-known in the life of every man, woman, and child.

The Russian satellite is more than just an ominous spectacle to the free world; it is part of the realization of a dream—man's ability to conquer space. It is proof that we are not destined for all eternity to be bound to one celestial body and that we are quite capable of freeing ourselves to explore the outside world. We can explore and conquer the outermost fringes of the universe. Many of us may say, "The launching of

such a satellite is fine and indeed a phenomenal accomplishment, but what can a 184.3 pound object, such as Sputnik I or our own 21.5 pound Vanguard do except whirl around the earth at a speed of 18,000 miles per hour?"

If properly equipped, they can give us invaluable information in regard to the earth and the universe. By telemetering equipment, they can relay important information back to the earth about cosmic rays and solar radiation above our atmosphere, report on the dangers of meteors and reefs of small particles for future satellites and space vehicles, observe the earth's gravitational and magnetic field, report on the earth's cloud patterns of its weather. They can give us valuable information on the earth's electrical charge, temperature, and composition. Also, they can help to prove the validity of Einstein's laws of relativity. Future satellites equipped with TV cameras can map the earth's surface and give us weather predictions far more accurately than any earth-bound man can ever hope to do.

These are but a few of the beneficial things that can be accomplished by the satellite, but what has actually happened thus far? To the Russians it is a great propaganda tool to express their superiority and strength to the free

Owls Need More Support In Basketball

In case some of the students don't know, C. C. has a basketball team. This year it should be better than ever. Evidently, it was not known to many people last year, because only a few fans showed up to watch the Owls play. The fellows who play may not win every game, but then, what team does? The fellows who play ball really have a hard time. Most of them work full time, or part time, go to school, and then practice till all hours of the night.

C. C. has a promising team this year, and there are bound to be a few students who like to watch good basketball games. Let's all go out and the support the Owls this season. The games that are coming up will be announced in this paper; so watch for them and come out and support the Owls.

world and to their own people. To the United States, it is a frightening accomplishment, for it proves that the Russians are as far advanced in the field of astronautics and rockets as we are, if not more. The launching of the 1,120.8 pound Sputnik II has proved this. It takes about 1,000 pounds of fuel to put one pound of mass into an orbit. By using this estimation, you can figure that it took more than 1,000,000 pounds of fuel alone to put Sputnik II into space. This means that the loaded rocket with its fuel, structure, payload, and instruments must have weighed more than 1,001,000 pounds. To lift such a rocket, you would need a rocket engine that would develop 1,500,000 pounds of thrust or more. U. S. scientists have figured that if nine tenths of the weight of Sputnik II were invested in fuel, the Russians could, with the aid of the moon's gravitational pull,

Milestone Achieved

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gard to the accepted standards; it also proves beneficial in providing the administrative staff an opportunity to evaluate its programs in comparison with such standards. This report is comprehensive, covering such aspects as policy, curriculum, entrance requirements, faculty, instruction, financial support, library, laboratories, physical plant, general tone and stability of the institution, student personnel service, and graduation. Data concerning the educational background and teaching experience of each faculty member is submitted along with this report, as well as statements and transcripts from senior institutions where Charlotte College students have continued their programs. The percentage of students earning each letter grade in each subject area is analyzed by a series of graphs. Financial considerations are studied in great detail.

The actual visit by the Association committee enables the members to investigate the institution personally. The members observe classes in operation, talk individually to faculty members and students, and in general, observe the entire operation of the school. The Southern Association arrives at its final decision at its annual meeting and makes its official announcement then and there.

Sport Scene

Practice Going Well, But Flu Absentees Hurt

Basketball practice has been progressing as well as could be expected, considering the tremendous amount of time lost because of the flu, Coach Buddy Smith informed the *Collegian* at the end of last week. The flu, which has struck almost every member of the team, has thrown practice approximately two weeks behind schedule.

Coach Smith added that science laboratories also hurt the practices. Many team members have labs on Tuesdays and Wednesdays, and are unable to come to the gym until 9 or 10 o'clock.

Another bad disadvantage is the land a 112 pound mass on the moon. This would be enough weight for a small, but powerful atomic bomb which would make a spectacular explosion when it hit. If the Russians have the ability and the material to do this, it can be deduced quite easily that they have the ability to launch an ICBM to any spot in the world.

The security of the free world is now in grave danger, and we must take decisive action to regain what we have lost. We must not panic, however, for in panic there is confusion, and in confusion everything is lost.

fact that practice comes after school, and since most of the boys work during the day, by the time the call to the floor comes their weary muscles are slow in responding.

But despite all these handicaps, the Owls have had some very revealing scrimmages; and although the first team has not been announced or even fully decided upon, certain players are distinguishing themselves already.

Leader among these is Jerry Gaudet, high scoring ace of the past season. lotte College.

Track Team Is Proposed

There's been some talk going around about organizing a track team for the Spring season. Charlotte College needs another sport and this one might be just the one that will catapult C. C. into the sports limelight for good. Talk it up fellows; a track team requires very little equipment, only a lot of hard work, and we can supply plenty of that.



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