wrought Seal, as a token of their of Faust, veneration." We must pass over Sir Walter Scott, the description of the gift, for it W. Wordsworth, would be too elaborate; suffice it to B. W. Proctor, Barry Cornwall. say that amid tasteful carving and emblematic embossing enough, stood these words engraven on a golden belt, and on four sides respectively: "To the German Master; From his Friends in England; 28th August, 1831." The impression was a STAR, encircled with a serpent-of-eternity, and this mottoe "Ohne Hast, Aber Ohne Rast."

THIS WAS THE LETTER.

"Fifteen English Friends to Goethe, on the 28th August, 1831.' [82d Birthday.]

"Sir:-Among the friends whom this so interesting anniversary calls 'round you, may we English Friends, in thought and symbolically, since personally it is impossible, present ourselves, to offer you our affectionate congratulations. We hope you will do us the honor to accept this little birthday gift; which as a true testimony of our feelings, may not be without value.

"We said to ourselves: As it is always the highest duty and pleasure to show reverence to whom reverence is due, and our chief, perhaps our only benefactor, is he who by act and word, instructs us in wisdom, -- so we undersigned, feeling towards the Poet Goethe, as the spiritually taught towards their spiritual teacher, are desirous to express that sentiment openly and in common. For which end we have determined to solicit his acceptance of a small English gift, proceeding from us equally, on his approaching birthday; that so, while the venerable man still dwells among us, some memorial of the gratitude we owe him, may not be wanting.

"And thus our little tribute, perhaps among the purest that man could offer to man, now stands in visible shape, and begs to be received. May it be welcome and speak permanently of a most close relation, though wide seas flow between the parties.

"We pray that many years may be added to a life so glorious -that all happiness may be yours, and strength given to complete your high task, even as it has hitherto proceeded 'like a star, without haste, yet without rest.' "We remain sir, your friend and servants,"

> FIFTEEN ENGLISH FRIENDS, Who were the following:

Thomas Carlyle, "a writer of books." Dr. Carlyle, Translator of Dante. W. Fraser, Editor of The Foreign Review.

Dr. Maginn, Editor and Author. Heraud, Editor of Fraser.

G. Moir, Translator of Wallenstein. Churchill, Translator of Wallenstein's

Jerdan, Editor of the Literary Gazette. Prof. Wilson, Editor of Blackwood. J. G. Lockhart, Editor of the Quarterly.

Poets.

So given in 6th part of Zelter's Correspondence with Goethe (Berlin 1834.) GOETHE'S GRACEFUL REPLY WAS THIS

Worte, die der Dichter spricht, Treu in heimischen Bezirken, Wirken gleich, doch weiss er nicht Ob sie, in die Ferne wirken.

Britten, habt sie aufgefasst! "Thätigen Sinn! das Thun gezügelt: Stetig Streben, ohne Hast!" Und so wollt Ihr es besiegelt!

Words which the poet spoke True--in the homely circle, Work also, though he knows not If they work, in the distance far.

Brittons have them understood! "Active thought! has action guided-Steadfast striving, without haste!" And, as you wish, be it sealed.

Then he impressed the Seal they had sent. T. B. W.

Current Science.

AERIAL NAVIGATION.

A German general, Count Von Zeppelin, has at last solved the problem of aerial navigation. After years of toil and study, not without failures, he has launched into the realms of air a peculiar craft which obeys his will by simple manipulation.

This strange invention is a veritable cigar-shaped balloon, 415 feet long and 40 feet in diameter. It is constructed of 24 aluminum bands and divided into 17 compartments, each one being an independent balloon. These compartments are capable of containing 11,000 cubic feet of hydrogen gas, without appreciable loss in many weeks. From the outside of the balloon hang aluminum wires and hempen cords, to which are attached two boats of light material, and connected by a foot bridge. Each carries a 15-horsepower gasoline engine, capable of driving the propeller at the rate of 1,200 revolutions a minute. A speed of about 15 miles is anticipated. This craft was lately tested over Lake Constance with favorable results.

PHOTOGRAPING THROUGH THE HUMAN BODY.

Dr. J. W. Kime, of Fort Dodge, Iowa, has lately demonstrated that the actinic rays of the sun may be made to pass through the human body and produce photographic prints. The method of procedure is as follows: The subject is taken into a dark room and a sensitized plate placed in contact with a negative is securely fastened to his back and all covered over with dark wrappings, so as to exclude all light. The subject is then stood before a reflector, so constructiversity, Silverton, Oregon: ted that all light which falls upon

violet or ultra-violet bands, these world ought to be able to support white light were used.

facility, and through integuments work together. with greater resistance still. The medicinal properties of these rays may thus be extended to the in- Lawson, Missouri. ternal body as well as the skin.

THE LAST SIGN OF LIFE.

trary current due arization is noticed. experimented upon is not dead. It has the right kind of faith. is their last sign of life and is characteristic of all organic bodies. The method of procedure is as follows: The subject is connected to a galvanometer and its own current compensated for so that the switch may be opened and closed without causing the needle to move. The switch being in place, a current is sent through the subject and immediately the switch of Freethought badge, to use in correthe exciting current is closed and the switch of the galvanometer opened.

sending the current in the oppo- the people know where you stand. site direction. This demonstrates whether or not there is a responsive current in the subject. If a secondary current is noticed in either direction, the object is living; if none, the object is dead.

Aid for Both Funds.

Editor Torch of Reason.

Enclosed you will find five dollars, which I donate to the building fund of the Liberal University of Silverton, Oregon. I am a subscriber to your paper, The Torch of Reason, and I am very much pleased with it. I am sure that you are doing a grand and noble work and I wish you all the success possible. The next subscription I want to make is toward the Ingersoll Chair, which I expect will be 24 Jewels, \$28.50. some time next month.

HENRY C. WILLISS, Washington, D. C.

Coming to Silverton.

Pres. J. E. Hosmer, Liberal Un-

Professor:-Your My dear it is focused upon a spot six inches favor of the 11th inst. at hand and this price-list. I pay freight. in diameter. Actinic or chemic contents noted. It seems to me Lord Francis Levison Gower, Translator rays being more abundant in the that the Liberals of the Western

are utilized and a greater percent- royally, at least one genuine Freeage of them are thus obtained in thought University, and I believe proportion to other rays, if only they will. I believe your school will not need for funds when its Upon removal of the plates it nature and purpose is fully and has been found that a duplicate is widely known. I am going to try printed on the sensitized plate after to do my part. I shall endeavor an exposure of five minutes. It to arrange my business interests has been demonstrated that these here so as to enable me to come to rays pass through bone very readi- Silverton about the 1st of January, ly, through muscles with less 1901. We can then take up the

> Always yours, S. H. VAN TRUMP.

The above letter is considered very good news by the L. U. O. If an electric current be applied workers. Prof. Van Trump is a to living matter, a secondary cur- trump for us indeed, as he is a rent is formed, following in the professional biologist and horticulwake of the applied current, but if turist. We need just such a man the body is dead, no secondary as we believe him to be, and especcurrent is formed, or else a con- ially as he is willing to SACRIFICE to pol- on the alter of the new religion of Mr. A. Science and Humanity. His letter Waller says that this positive elec- shows that he is made of the right tric re-action proves that the body kind of Freethought timber and

> We give the Torch of Reason and the Weekly Oregonian both one year for only \$1.75. If you want to take advantage of this you must order soon for we may discontinue the offer at any time.

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> OTTO WETTSTEIN. Rochelle, III.