Sheffield Scientific School (Holt), contains a five-place table of logarithms and logarithmic factors of all the data which are given. The book commends itself by some features which are novel in laboratory aid of this character. The one fau't we have to find with it is a structural one. The first twenty-four pages are cut to acilitate reference to the logarithmic tables, with the result that one turns to the data on these first pages with considerable trouble and

March 24, 1904]

Physical Chemistry in the Service of the Sciences,' by Jacobus H. van't Hoff, English. version by Alexander Smith (University of Chicago Press), is a small book with a striking portrait of Van't Hoff, of whose genius it is hardly worthy. We read in Mr. Smith's preface that "the lectures were delivered in English," yet the author speaks of the "version here presented" and of "diese englische Ausgabe"; so that we inter that the English of the original needed correction. It is, at least, interesting to see these matters dealt with by this important chemist and physicist.

The Société de Géographie of Paris has fust issued, under the legacy of Renoust des Orgeries, the first number of the 'Documents Scientifiques de la Mission Saharienne,' by F. Foureau, chief of the expedition (Paris: Masson). The astronomical and meteorological observations here presented will be followed by reports on topography, geology, biology, ethnology and counts of the wind and thunder storms, of which mary were encountered, are so largely subjective as to give no clear idea of the entire disturbance, in which the observer could, of course, actually feel only a very subordinate part. It may be noted that the legacy of M. des Orgeries is to be applied to the aid of expeditions that are pla ned to bring the interior of Africa percefully under the influence of France, aid to make a homogeneous whole of her actual possession in Algeria, Senegal, and the Congo territory.

... The extremolog of the German alphabet bring together, in volume five of the new | Survey). The mountains are shown to be edition of 'Meyers Konversations-Lexikon' -Differenzgeschäfte-Erde-(Leipzig: Bibliographisches Institut; New York: Lemcke & Buechner), wireless telegraphy, the and of which the less uplifted and therethree-plate color process, iron, railroads, precious stones, and electricity in manifold phases even to electrotherapy. These are | The mountains are mountains not by reason all illustrated, the color printing in a very interesting way. So are the articles on | be taught, and as still may be believed eggs and evolution; the latter naturally | in many quarters, but by reason of gradual overlapping the plates of embryology. and orderly stream and river work. They There are excellent maps of Dresden, Düs- | give us a good example of the veritable torseldorf, Edinburgh, Elberfeld-Barmen, El- toise of uniformitarian erosion not only sass-Lothringen, England and Wales; and a chart of earthquakes and volcanos. En- the fabulous hare of catastrophic mountain cyclopædias are fitly treated historically. Dreyfus and Dumont rest amicably side by side in print. Frederick Douglass gets a quarter of a page, and a German edition Railroad, where the river has held its of his autobiography, published in Hamburg in 1860, is cited; but the sketch is not too correct. There is a grave omission of President C. W. Eliot from notable Americans. As an example of what one deep basin on the eastern side of the Casmay find, or expect to find, in this work, we may mention as a dictionary rubric Vol- the omission of all mention in this connectaire's "Ecrasez l'infame"—a cry much desiderated in this country for more than one the lake (National Geographic Magazine, evil element in our body politic.

Prof. Julius Goebel of Leland Stanford report.

University contributes to the serial publication "Der Kampf um das Doutschtum" (Munich: J. F. Lehmann) the latest number, dealing with the German element in the United States. The author gives a the present year being the one hundred history from Pastorius to Francis Lieber | tor Medicine." Her scientific studies had and Karl Heinzen; and of the present condition, social and intellectual; of the Ger- father, but in the University halls she man-American population. His expositions display a strongly pronounced per- these academic honors. She is no doubt sonality with very decided sympathies and | the pioneer of the modern university moveantipathies, so that the reader sometimes | ment among the women of Germany, having finds it difficult to maintain his own equilibrium of mind in perusing these pages. Crundliche Untersuchung der Ursachen, die That a patriot like Carl Schurz should be das weibliche Geschlecht vom Studieren abcharacterized as "ein Mann, der für die halten, darin deren Unerheblichkeit gezeigt Sache des klug von ihm benutzten Deutschtums nie etwas übrig hatte, als schadlose sey, dass dieses Geschlecht der Gelahrheit Redensarten," seems to be carrying par- sich befleisse.' This first woman doctor tisan bias altogether too far. There is, of Germany died in 1762. We remark, however, a good deal of sound common by the way, that the University of sense in this book, and the author's insistence on the importance of the preservation of the German language in the interest | years ago in the Prussian universities went of American society at large is entirely just. so far that the medical faculty practically

Mitteilungen, number one, are an account of relented. The medical department now the geology of Canada by Prof. H. Haas, an again admits women to anatomical work, extended notice of the new edition of Stie- but not with the men. ler's 'Handatlas,' and Dr. K. Vogelsang's narrative of his expedition in central China of the human brain, Professor Marchand of to investigate the mineral resources of the | the Pathological Institute of the University archaeology. One must regret that the ac- Ta-pa-shan mountain range. He was led to of Marburg has, during the past seven form an unfavorable opinion as to their ex- years, examined 1,234 specimens. It aptent and richness, the coal being barely sufficient to supply the local demand. Dr. Andersson gives a sketch of the Swedish Antarctic expedition, with a summary of its scientific results.

The modern doctrine that mountain peaks and ridges usually owe their form to the erosion of valleys in broadly unlifted masses of the earth's crust, seldom finds better illustration than in those parts of the Cascade range that are described in recent essays by G. O. Smith and B. Willis | men and women of the same size and weight (Professional Paper No. 19, U. S. Geological an uplifted and maturely dissected portion of a broad lowland of erosion which formerly occupied a large area in this region, fore less dissected portions are seen in the great lava plains of the Columbia River. of violent and disorderly uplift, as used to outstripping but even driving from the field Supheaval. An appropriate corollary to this demonstration is found in the canon of the Yakima, followed by the Northern Pacific course and cut a gorge across several uplifts of the land that must have diverted the river to some other path had they been of rapid origin. Lake Chelan, an unusually cades, is ascribed to glacial erosion; but tion of Gannett's noteworthy article on 1898) is a blemish on an otherwise edifying

A recent report from the University of Halle mentions the interesting fact, that this institution was the first in Germany to give the medical degree to a woman, readable and interesting sketch of the and fiftieth anniversary of that event. It history of German immigration in this was in 1754 that the University created country; of the leading characters in this a daughter of Dr. Leporin of Halle a "Docbeen carried on under the direction of her defended a set of theses that secured her as early as 1742 published a work entitled wird, und, wie möglich, nötig und nützlich Königsberg, in which the reaction against women students that set in about two The principal contents of Petermann's excluded women entirely, has, in a measure,

> pears that in the case of men between fifteen and fifty the average weight of the brain is 1,400 grammes; in the case of women 1,300 grammes. Only 30 per cent. of the males showed a weight higher than 1,450, and 20 per cent. less than 1,300 grammes. In the case of women, 25 per cent, had brains weighing less than 1.200 grammes, but 55 per cent. had brains weighing from 1,200 to 1.350. The difference in weight is not conditioned by the difference in bodily size, for show this difference as well as others.... Professor Marchand asserts that the weight of the brain at birth is doubled in the first three-quarters of a year, and is trebled before the completion of the third year, after which period the rate of increase is much less. In the case of men, full development is reached at the age of eighteen or twenty;_ in the case of women, at sixteen or eighteen years. In childhood the ratio of the development of the brain and of the body is the same in males and females, independent of age, until the body has attained a length of 70 centimetres.

In order to determine the average weight

Beirut is the seat of the largest American institution of learning outside the United States, the Syrian Protestant Coilege. Our consul reports that there are now 45 professors and instructors, 28 of whom are native Americans and graduates of American colleges, and 667 students. It has five departments, medicine, pharmacy, commerce, arts, and archmology. Last fall it trebled the size of its chemical laboratory and opened a "model pharmacy" in it. There are fourteen commodious buildings and a campus of about fifty acres. The English language is the principal medium of instruction.

A very comprehensive folding map of the theatre of war in the East has just been issued by the Bibliographisches Institut of