Oon Litilas Onis and Tas Norsents. The Russell Publishing Co., Bostom. It speaks volumes for the success of "Our Little Ones" that at the end of the first yoar of its publication is sbould have alsorbed the old-time farorite "The Nursery". With Oliver Optic in the Editor's chair, Andrews for engraver, and tho University Press, Cambridge, for Printers, there could be little doubt that the finest child's anagazine in the world would be produced. Then with Mr. Sol Sinith Rutssell, on the rond to introduce it, it is not so great a marvel that in a singlo year, it went through all the grades and received the lighest honors on "Commencement Day." Lee and Sheppard took 30,000 copies of the bound volume for holiday sale. Every girl and boy should see it. It cannot be described.

A life-size portrait of Ralph Walio Emerson, uniform with the Atlantic portraits previously published of Longfellow, Bryant, Whittier, Lowell, and Holmes, lias just been published. It represents Mr. Emerson not in his old age but in the full vigor of his manhood. To those whoused to hear Mr. Emerson lecture twenty years ago or more, this portrait will recall the marked features and the personnl appearance of one who then was, ani who still is, a leader in American thought and letters. It cannot fail to be heartily welcomed by all those who have heard Mr. Emerson lecture, and by those who have read his remarkable uritings; and must also be acceptable to those who, without personal knowledge of him or insimate aequaintance with his books, yet know that he is an honor to American literature, and sheds lustre upon the American name throughout the world. The portrait was prepared for subscribers to the Atlantic Mouthly, to whom it is furnished for one dollar by the publishers, Houghton, Mifllin \& Co., Boston.
An Elementary Treatise on Mesnuration; hy G. B. Halatrd, A.M., Ph.D., Instructor in Post Graduate Mathematics, Princeton College, ex-Fellow of Johus-Hopkins University. 232 pp . Boston: Ginst, Heath ع- Co., 888 . - All the advantages derivable from mathematical studice may be obtained from the systematic study of Mcusuration, whilst its practical utility is patent. But a mere compilation of sules $i_{s}$ a poor affair. Logical analysis and proofs should be found in a complete treatise on any mathematical subject. The author of the abovenamed worts gives clear and simple proofs of the various rules, introducing some theorems gencrally found only in books on Trigonometry or Integral Calculus. The earlier chapters contain applications of Euclid i., 47, rectification of the circle, and plane areas, including conic sections and apherical triangles. The formulse for volumes refer to prisme, cylinders, cones, spheres, priematoids, ungulas, and solids of revolution solved by means of Pappus' Theorem. The investigation of the applicability of the prismoidal formula enables the student to group under one general principle the rules for volumes of hyperboloids, spheroids, cylinders, etc. Wedde's method of approximating to all surfaces is fally explained. The collection of exaraples for practice contains over 600 problems, cach of which is a type of a class. Although Dr. Halsted has treated the subjoct in an exhanstive manner, yet the arrangement is logical, proceding gradually from easy clementary principles to the most complicated problems. The only error that the author appears to have committed is that of using too many abbreviations in the reference tables. But this fault cannot causo much inconvenience to the reader. We can confidently secommend the volume as 2 valuable addition to our list of standard mathematical works. This publication reminus us that we are living in a different epoch from the olden time, when American mathematical works were remarkable for the omission of all difficulties.
Sonc of the Broon. By Alfred Tennyson, D.C.L. Publisted by Estes de Lauriat, Dosfon, Base. Price, si.06. We haro been favored by Alcesrs. N. Ure \& Company, King St., Toronto, with a copy of this beautiful work. It is gotten up in 2 chaste and elegant style, which is very fashionable at present ; and the illustrations are some of the finest specimens of the engraver's art. The several phases of the "Song" are pictured by some of the louling artists of the day, cach picture occupying a page. This volume is tho initial one of a serics, which will be cmtitled "Songs from the Great Poets." We know of no kay by which the ilescriptire portion of a poct's imagery enn he more forcibly impressed on the minds of readers than by that adopted in the book before us.

Pordlar Sciexpa Montmly, Jan. 18S2. If a teacher can afford to read ono magazine, that ono should be the Scicmes Monthly. Its topice include a wide range, and thoy aro treated in such a way as to keep the teacher up with the tincs. The widening of his scope, and the extension of his fund of illustrations will be worth far more por month than tho Magazine costs in a year. "Farthworns and their wonderful works" is a revicu of Darwin's new book. It would startle the pupils in any school if the teacher could explain the nature and extent of the work done by the ordinary "fish-worm." "Astronomy in High Schouls" is a brief article showing how a good teacher can easily interest a class in this subject. "Copyright Law," "The Chemistry of Tea and Coffee," "Sanitary Relations of the "Soil," and "Volcanic Prolucts," are among the most interesting of the numerous articles of this number. magazines.
Miazpzo's Trenkzy continues the intercating stories "Chriatowell"and "For Cash Only" and begins in Níc. 1305 a newstor " Benifhted Travellers" which bids fair to be as interesting as its predecessors, much valuable information is given in "Thie Cruisoot the Allance." The Giteau trial recelves consitierablo prominence and is not too severely caricatured if it willdramattention to the evils of tho "Spoils System." The excellency" of the art departinent is rell sustained ceyscially; in the suppiement to No. 150 .

Litter's latico Aor for 15S2. Thts widely-known weckly magazine has licen pub lished for nearly forty sears, and during that lone periol has boen prizel br its numerous readers as a thoroush compendium of the best thounht and literary work of the time. As periodicals become more numerous, this one bocomes more valuable, an it continues to be the mose thorough and satisfactory compilation of the best periodical llerature of the world. It filis thí place of many quarteriles, monthlles, and weeklice, and jts readers can, through its pares,essily and economically keep proco with the work of the foremost writers and thinkers In all departmente of literature, science, politics, and art. Itsimportance to American readers is evident; in fact. It is well.nigh indispenable to those who would keep informed in the beat literature of the day: and its mecess has therefore been uninterruptod. Its prospectus is well worth attention in selecting onc's periodicals for the new yaar. Its clubbing meses with other periodicals are worthy of notice. Littel \&Co. Borton, ane the publishers.
Axericas Jotrisal of Mithexatics, Vol. 9, No. 4. An artjele on "Congruencer," affording a senctalization of the Algebraic Theorems of Fermat and wilson, will be found of Interest. Mr. Johnson, of Anmapolix, Mid., writes on the spocies of curres to which the strophold or losocyelic curve belongs (poiar equatlon, $\gamma=$ a a rec. $\theta+-a \tan . \theta$ ) Prot. Sylucster shews how aniv rational fraction mas bo developed into a series of fracLions, each ha.ing unity for numerator: it is quite conecirable that practical value may attach to such expanslons, and the Engenuity of the distingnished onntributor make the subject worthy of a place in our wor 8 on Algebra. Dr. Whitcom treats of certain developnents belonging to that incxhaustible subject. "Taylor's Theorem." Irof. IHyde, of tho University of Cincinnati, has a quaternton trcatment of centres of gravity of surfaces and solids of revolutlon. The subject of "Quaternions" is crery year rocelving increatod attention, and it bocomas a qucstion whether they should uot forn part of the pure mathematical course in our l'rovincial Univeraity. Tothose who areconcornod about the matcer, an articie on "Linkages" nill beread with some interot.

Axericas Jocrasal of Matikuatict, Vol. i, No. 1., contains the following articles:On the 34 concomitants of the Ternary Cuble, Prof. Cayley; On certain Expansion Theorem, E. McClintock; Some Thoorems in Numbers, C. H. Mirchell; Note on the Frequency of lise of the Different Digits in Natural Numbors, Simon icuncons: Tublew of the Gencrating Functions and Groundforms of the Binary Duodocimic, Pmf. Syirester: A Demonstration of the Impossibllity of tho Binary Octaric Poseosaing any Groundforma of deg-order 10.s, Prat. Syläzter : Losic of Number, C. S. Piarce; Remainder of Laplace's Sertos, E. JicClin! ci.
 of the great Frenchucan, Mons. Thiers, forms the frontieploce of this number. Tho Hlurtrated articlos are: "A Prorincial Capital In Xlextoo:" "The Rlevival of Durana Lace," very suggestive to ladics interostod in houschold art; "Oricatal and early Greek Sculpture; and "Kho Were tho Chartists?" In storict there aro. בirs. Bumotis "Through One Admalnistration;" 3ir. Howells " $A$ Yodern Instanco," and a finished atory "Old 3sadame"-2ll good. The Magazine boying the yeer well.
Hasdrais Mostily, January, $18 s^{\circ}$ a beantiful cneraring forms the frontixpicoc of thts old farorita. It represents the jouth who entered the lion's den, to get the giovo of tho lady to whom he was paying his addresece, and who teatod his devotion by fling. ing ber glore into the arena among the lions, and chaltenged him to bring it to her. The atory to told In the " Editor's Easy Chalr," "Anne" and " $\lambda$ Laodlocant" arecech adranced a stage, and srow more intereatirg. Nearly every article in tho magazino is prohnecly Illustrited. Among those of most gencral Intorost are, "Journaliatic London," Part IV., contalning the portsalts and skotches of the most distingulehad nerypapermen of London. This paper doals with the illurtrated napors; " Young Men's Christian Amociatlone," with cleren portralta: " "Ancicnt and Yodern Glass of Yarasa." The ehort atorios ane excollont, and the "Yditors Drewti" eren fubaier then unual.

