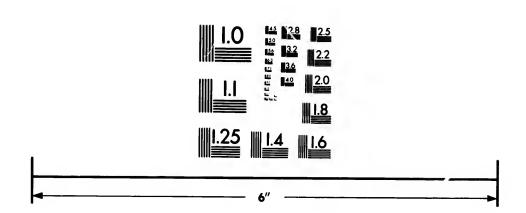
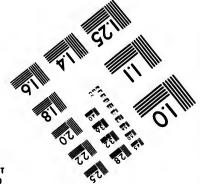


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1	2	3
4	5	6

ELEMENTS

MNEMOTECHNIA,

OR (

SCIENCE OF MEMORY.

NEW GLASGOW:
MCCONNELL & ALLEY, PRINTERS.
1870.

ti v sc c

t n m r L J k t P c

so d chart start s

ELEMENTS OF MNEMOTECHNIA.

The foundation of Mnemotechnia is the English Alphabet. All the letters represent figures excepting a, e, i, o, u, w, h, and y. The vowels and y never stand for figures. The letters that have similar sounds represent the same figure. The vowel e is placed after each consonant to give uniformity of pronunciation. The Mnemotechnic Alphabet is easily learned by the

Analogies existing between the forms of the letters and figures they represent.

t formed with one upright mark represents		1.
n formed with two marks stands for		2
m formed with three marks stands for	-6	3
r is the fourth letter of the word four		4
L in Roman notation is 50—which with the cipher off is		5
J is a reversed 6 and stands for		6
k inverted much resembles a 7 x		7
f in writing very much resembles an 8		8
P is a reversed 9 and stands for		9
c begins the word cipher, and stands for		0
The foresting one the ministing letters (The other let	4 AL	- 4

The foregoing are the primitive letters. The other letters that sound nearly like them represent the same figures. Thus, d sounds nearly like t and represents

d sounds nearly like t and represents		1
ch or che, sounds nearly like je, and stands for		6
sh or she, also sounds nearly like je, and stands for	0	6
zh or z is azure (zhe), is much like je, and stands for		6
g soft, as in genius, sounds like je, and stands for		6
q sounds nearly like ke, and represents 2110		7
g hard (ghe), as in geese, much like ke, represents		7
v sounding nearly like fe, stands for	B 4	8
A Section of the sect		_

b sounds nearly like pe and represents	9
s sounds like c in cipher,	U
z sounds nearly like's and c	()

THE ALPHABET IN NUMERICAL ORDER.

te	ne	me	re	le	je	ke	fe	pe	ce
de	6.	46	"	"	che	que	ve	be	se
6.	"	"	"	"	she	ghe(ha	rd) "	44	ze
46	"	"	"	"	zhe		""	"	66
1	2	3	4	5	6	7	8	9	0

The letter x sounds like the two letters k and s, (the word tax sounding as if written taks), and, as k stands for 7, and s for o. x stands for 70...

Now, as words are composed of letters, and, as letters stand for figures, it tollows that words may be changed into figures, and figures into words. Changing words into figures we call translation. After the Alphabet is thoroughly committed to memory the next thing to be learned is Articulation. To articulate a word we pronounce every consonant in the word, with the vowel e after it.

EXAMPLES, il fentinal of sub as township!

Tile '	te le ::!!	15 Gun	ghe ne	TT172	Chair 📑	che re	64
Peel	pe le	95 Chin	"Ill iche ne	62	Seem	se me	03
Road	re de	41 Mate	me te.	31	Bake	be ke	97
Mace	me se	30 Gin	ge ne	62	Oaks	ke se	70
Cape	ke pe	79 Good	ghe de	71	Wax.	ke se	70
4.			"CRULES!"	7 5HJ 11	n miliati;	a the curti	i h

Rule I.—Words must be articulated and translated according to the pronunciation, without regard to the spelling, omitting all silent letters.

Rule II —All short unimportant words, like articles prepositions and conjunctions, that are printed in Italics, are omitted when we translate phrases, &c., in which they are used.

Rule III. IN must be omitted in syllables in ng and s in the sound nearly like them represent the samusaron of osas overspoor

ľ,			EX.	CYNTE TIEMS.		odii vir		
Knife	ne fe	28 W	elginte.	re te	211 71	King	ke ahe	77
Talk	te ke	17 So	ng.	se ghe			me le	
Rough	re fe	48 Az		zhe re	64	Cough	ke fe	78
Ready	re de	41 La		le fe	58	Axe	ke 86	
Badge	be je	96 Ra		re she	46	Ring	re ghe	321 47
Nephew	ne fe	28 Fi		fe te		Gnat	ne te	21
Hand	ne de	21 W	and	ne de	21	Yearn	re ne	42

A tree with the leaf te re le fe 1468 A boy's hat be te 91. Pen and ink pe ne ne ke 9227. John's whip je ne pe 629.

Application of Mnemotechnia to Chronology.

Dates from History, as well as all other facts expressed in figures, as every student well knows, are difficult to commit to memory, and still more difficult to retain. The reason is obvious. Memory depends upon Association, Combination and Comparison. Now there can be no natural association between an historical event, for example, and the figures which express the date when it occurred; but we may very easily find a word or phrase which, according to the preceding Alphabet, will represent a date, and, at the same time have a natural association with the event. Dates expressed in such words or phrases, therefore, are more easily learned and more readily remembered than they could possibly be if expressed in figures.

For illustration, in reading British History, we find that London was founded by the Romans A. D. 49. There being no natural connection between the figures 49, and the founding of London, we may change these figures into a word, which has such a connection. Among the many words that may be found to represent 49 is the word Europe, which may be readily associated with the event, thus, London, founded by the Romans, is now one of the largest cities in "Europe" (re pe 49). In this way the learning of Chronology is reduced to a very easy standard. Other effective principles of Mnemotechnic science will be evolved and elucidated as we proceed. We give now a number of examples upon the principle enunciated above.

Formulas for Events from Modern History.

The Cape of Good Hope was discovered by Bartholomew 1 iaz [A.D. while sailing on a DEAR VOYAGE 1486.

America was discovered by Christopher Columbus whose vessels were probably of oak—not DRY PINE 1492.

The Reformation in Germany began by Martin Luther, and

gave rise to many a TALL TALK 1517.

The Royal Library at Paris was established by Francis I, in

order have a place to TELL the NEWS 1520.

The Diet at Worms, was not held where worms live under a

ha first voyage around the world was by Magellan who

The first voyage around the world was by Magellan, who sailed out of sight of LAND† 1521.

The Jesuit's Order was formed by Ignatius Loyola who went on foot and begged his DAILY MEAL 1535.

e

8

17

^{*} Of course a cipher on the left is of no account.

[†] If the first articulation in the formulas for Modern Events does not represent a figure 1, then that figure must be prefixed to the translation, to complete the date.

The Bible was first printed in English and illustrated by a [A.D. HOLY MAP 1589.
The English Ship that first sailed to India was probably commanded by an English LORD 1541.
Charles V. Emperor of Germany resigned his crown, which was the theme of DAILY EULOGY 1556.
The Royal Exchange in London was built, and looked like a TALL SHOP 1569.
Mary, Queen of Scots, beheaded, after she had grown weary of
The Bodleian Library was founded at Oxford, and received
many a TALL PUFF 1598. The union of the Crowns of England and Scotland, saved the
two kingdoms a HUGE SUM 1608. Cape Horn was discovered by LeMaire and Schouten of Hol-
land, under the patronage of a DUTCH DOGE 1616. The thirty years war commenced, when Gustavus Adolphus
conquered many a DUTCH THIEF 1618.
The Long Parliament of Britain assembled, the members seating themselves in CHAIRS 1640.
Charles I. King of England was beheaded, by an axe that was very SHARP 1649.
The great plague in London, was more to be dreaded than confinement in a HUGE JAIL 1665.
The great fire in London, caused more confusion than would the blunders of a DUTCH JUDGE 1666.
The Habeas Corpus Act was passed, perhaps for releasing from prison some JOCKEY BOY 1679.
The Revolution in England by William Prince of Orange,
who inspired his soldiers with a DUTCH FIFE 1688. Captain Kid commenced his piracies in a
SHIP on the WAVE 1698. Gibraltar was captured by the English, during a
St. Petersburg was founded by Peter the Great, who is styled
the GAY CZAR 1704. The Great Earthquake at Lisbon, pitched the whole city
into a GULLY-HOLE 1755. When LaPerouse made his last discoveries, he concluded to "
TAKE a VOYAGE 1786.
When Napoleon was crowned Emperor of France he was a very distiguished OFFICER 1804.
Napoleon was defeated at Waterloo and banished to St. Helena, after he had FOUGHT WELL 1815.
The death of Napoleon at St. Helena was a SAD EVENT 1821.

Poland was subdued by Russia—the Russians crushing down the Poles by war and FAMINE	A.D. 1832
The Reform Bill passed by the British Parliament, after it had cost considerable HEAVY MONEY	
Queen Victoria began her reign, and was as gentle as a	
DOVE and as MEEK China was opened to British intercourse, to prevent being	
OVERRUN Louis Philippe king of the French was dethroned, the new	1
Republic prvoing a FIERY FOE	1848.
Formulas for American Chronology.	
The American Continent was discovered by the Northmen who built a HUT by the SEA-SIDE The St. Lawrence River was discovered by the French who	1001
sailed thither on the TALL SEA-WAVE	1508.
Mexico was conquered by the Spaniards under Cortez, who	1501
fought the Indians to obtain possession of their LAND Peru was conquered by the Spaniards under Pizarro, who	1021
went thither to STEAL MONEY	1532.
The Amazon River was discovered by Francisco Oreleana a	1541
celebrated Spanish The Mississippi River was discovered by Fernando de Soto,	1041.
another Spanish LORD	1541.
Printing was introduced into Mexico, after a printing press had been taken thither in a TALL SHIP	1569
Jamestown, Virginia, the first colony in New England, was	1000
built, and was the place of the Colonists' own	100=
CHOOSING Canada was first settled by the French, who sailed thither	1607.
over the HUGE SEA-WAVE	1608.
Hudson's River and Hudson's Bay were discovered by Hud-	1010
son, when his crew left him on a SHEET of ICE New York city was settled by the Dutch, and recorded by a	1010.
DUTCH AUTHOR	1614.
Slaves were first brought to the United States by the Dutch, who transported them in CHAINS	1620.
Buston was first settled by a Colony under Blackstone, who went thither and built SHOWY HOMES	
Harvard University, the first college in the U. States founded,	1000
without the aid of a CHUM'S FEE	1638 .
Philadelphia was founded by William Penn, who made a treaty with a CHIEF who was NIGH	1682.
The Mississippi River was first navigated by La Salle, who	1
was not afraid to DASH in the FOAM	1623.

0.

9.

5.

6.

9.

38.

8.

04,

04.

55.

86.

04.

15. **21**.

The Witchcraft superstition prevailed in New England, and [A.D. made people talk of a WITCH and a PENNY 1692.
Yale College was founded at New Haven, and has some students who can write a DUTCH POEM 1693.
The Boston News Letter, the first newspaper published in the United States, made every Yankee a good GUESSER 1704.
New Orleans was founded, and protected from the Mississippi by a THICK DIKE 1717.
Potatoes were first cultivated in the United States, and gave employment to many a GOOD BOY 1719.
Lima was destroyed by an earthquake that broke down houses with a CRASH. 1746. The identity of Lightening and Electricity was discovered by
Dr. Benjamin Franklin, while in Pennsylvania COLONY 1752.
The Bible was first printed in America, in the Massachusetts COLONY 1752.
Quebec, Ticonderoga and Crown Point, were taken from the French by the British—all at one CLIP 1759. Canada was ceded by the French to Britain, after it had cost
them much CASH at HOME 1763. The Continental Congress first met at Philadelphia, to advise
King George to TAKE CARE 1774. The Revolutionary War commenced with Great Britain, when
all the Soldiers had liberty to GO KILL 1775. The Confederation of the Thirteen States was formed, to resist the
Peace between Great Britain and the United States was made, and the independence of the latter acknowledged, when
the Soldiers had leave to GO OFF HOME 1783. At the Death of Washington, he had a purer fame than the
The Royal Family of Portugal removed to Brazil, because of
their own country they were HALF SICK 1807. The Steamboats that first navigated the Mississippi and Ohio, ran up the stream against a HEAVY TIDE 1811.
At the Declaration of the war against England, the Americans engaged in a FIGHT NEW 1812.
The second Peace was concluded between Great Britain and the United States, after a FIGHT and a WAR 1814.
The Royal Family of Portugal returned from Brazil, at the request of the DIVINES 1820. Peru, Mexico and Guatimala were declared Independent,
choosing their own fortunes to DEFEND 1821.

The Thermometer was invented by Sanctorius, and is often [A.D.

SHADE of a HOUSE 1610.

SAGE AUTHOR 1614.

suspended in the

Logarithms were invented by Napier, a

The Microscope invented by Jansen, enables us to see millions of animalculæ in a **WASH-TUB** 1619. The Barometer invented by Tarricelli, often foretells the weather like a CHARM 1643. The Steam Engine invented by the Marquis of Worcester, could have propelled a SHALLOP 1659. The Differential and Integral Calculus was invented by Sir Isaac Newton, a SAGE CHAP 1669. Air-balloons were first used by Mongolfier, who soared above the clouds, and thought it **GAY FUN 1782.** The Railroads first built in England, had cars that would OUT-WALK a BOAT 1791. The money first coined in the United States probably was a THICK-PENNY 1792. Steam first used to propel boats, made them run faster than a HEAVY SCOW 1807. The Steam cars first used in England, went very SWIFTLY 1815. Gas first used for lighting streets in the United States, made the nights as light as a **FINE DAY 1821.** The Electro-Magnetic Telegraph was invented, that messages might go by lightning, and SAVE MONEY 1832. The Sewing Machine, invented by Thimonnier, has needles as sharp as a FORK. 1847. technia, namely that of Homophonic, (like sounding) analogies.

We come now to a new and most effective principle in Mnemois used with very great advantage in remembering proper names. It may also be most successfully applied to all subjects in which figures are to be learned and remembered in connection with proper names, such as remarkable battles, latitudes and longitude of places, lengths of rivers, heights of mountains, chemical equivalents, &c. This principle not only enables us to remember names more easily, but it also gives us greater facility in constructing formulas; because we may often find an appropriate word or phrase to represent the figures to be remembered, that can be readily associated with the Homophonic analogy, but which cannot be associated with the name itself. The examples which follow will make our meaning plain. The student will see that the like sounding word or phrase is written below the proper name, and that the key word or words which represent the date, or other figures, are connected—not with the proper name—but with its homophonic analogy.

Formulas for Modern Baitles.

CLONTARF,

A Clean Turf—is not seen during a DUSTY YEAR 1014.

HASTINGS,

Haste—is used by a HASTY and WISE JUDGE 1066.

ASCALON,
Asikng a Loan—will enable one to pay a

DEBT of a PENNY 1192.

BANNOUKBURN,

A Banner is burned—during a MIGHTY WAR 1314.

CRECY.

Cresses—usually grow in a WET MARSH 1346.

AGINCOURT,

An Agitated Court—expounds a WORTHY LAW 1415.

SEVEN OAKS.

Seven Oak Trees—would make a good many RAILS 1450.

CONSTANTINOPLE TAKEN,

Constantinople could not have been taken—if the walls had been laid with WATER LIME 1453.

BARNET.

A Baronet—is not a title for one who is RAGGED 1471.

BOSWORTH FIELD.

A Battle Field—is a place where there is many a

RIFLE 1485.

FLODDEN FIELD,

A Flood in a Field—does not happen in a LOW TIME 1513.

MARIGNAN.

A Marrying Man—usually obeys a LADY'S WILL 1515.

SPANISH ARMADA DEFEATED,

Spanish Arms—are more fatal that a HOLLOW FIFE 1588.

MARSTON MOOR,

A Marsh and a Moor-sound like a

DASH and a ROAR 1644.

WORCESTER,

Wersteu-makes comfortable clothing on a

CHILLY DAY 1651.

BELGRADE,

Ð

e

е

A Great Bell—when it rings says DING DONG 1717. DETTINGEN.

Dirty Gin—is about as good to drink as THICK RUM 1743. FONTENOY.

A Funny Boy—admires every pretty GIRL 1745.
CULLODEN,

Clothing-is worn in various styles by the

GAY and RICH 1746.

LODI'S BRIDGE, $[\mathbf{A} \cdot \mathbf{D}]$ A Loaded Bridge—would not break down if made of THICK BEECH 1796. RIVOLE ' 17 TENG A Company of the Comp THICK BOG 1797 A River—often flows through a PYRAMIDS. 1 - 1 horal by s Under the Pyramids—travellers often enjoy a STEAK of BEEF 1798. NILE. P. F. 111111 A Nail—is not as good to eat as THICK BEEF 1798. HOHENLINDEN; A 12 , AT 1 A ALCOHOL TO BE AN ALCOHOL TO BE AND ALCOHOL TO BE AN ALCOHOL TO BE AND ALCOHOL TO BE AND ALCOHOL TO BE AND ALCOHOL TO BE AN ALCOHOL TO BE AND ALCOHOL TO BE AND ALCOHOL TO BE AND ALCOHO An Old Linden—is good timber for building EDIFICES 1800. AUSTERLITZ.M IN W The Austrians—were attacked by Napoleon with a TRAFALGAR, A Traveller—often travels on a VESSEL 1805. BORODINO, A Borrowed Dinner—is sometimes taken when a man asks a THIEF to DINE 1812. VITTORIA. Victory—is often gained by those who FIGHT at HOME 1813. WATERLOO, FATAL 1815. The Battle of Waterloo—was terribly WARSAW,

Poles, that is so much FAMED 1831.

Formulas for Latitudes and Longitudes

In these formulas the key words give degrees. If the minutes are less than 30 they are omitted; but if 30 or more the next higher degree is given. Thus we always obtain a result within 30 minues of accuracy, and generally much nearer. This is sufficiently accurate for finding a place on the map and for all ordinary purposes,

A War of Sorrow-was that between the Russians and

In the first division of the following examples all the places are in the Western Hemisphere, and in the second all the places are in the Eastern Hemisphere. This arrangement is a guide to the longitude, whether E. or W. A similar classification might be made in reference to latitude, but it would be inconvenient. The intelligent learner will seldom be at loss to know whether the latitude is North or South. In case of a doubt reference to a map may be readily had.

In translating the "key words," the two first articulations stand for latitude—all that remain for longitude. If the latitude is less than 10°, the first articulation gives a cipher.

Formulas for Latitudes and Longitu	des of Places in the W. Hemis,	ohere
ALBANY, Albany Albis often transport	ted in a RUM CAR 43.	74.
BALTIMORE, Lord Baltimore—settled in Ma		Y ! (1
Hora Battimore—settled in Ma	MAP for a KING 39:	''277:
BANGOR,		
A Bank of ore contains more	mineral than a ROYAL SHOP 45.	· 69
BOSTON,		
The Boston Market—has	WORN GATEWAY 42.	71.
BUENOS AYRES,		+46
Puny Hares—or little rabbits,	MULE or a WOLF 35.	. 58.
BUFFALO, /. ,		
A Buffalo—rather live on a w	estern prairie than	p) •
di di d	ROAM in CUBA 43	79 .
CAPE HORN,	11 (1 (
Cape Horn—is not often visite		OH.
CAPE SABLE.	LAW JUDGING 56.	67.
A Sable—is an animal that has	sa NAIL in his FOOT 25	81.
CINCINNATI,	1 /1"	OI.
Cincinnatus—had a house bette		
	HOME of a BEAVER 39.	84.
COUNCIL BLUFFS,	* 1 13	+ 1
A Council of Chiefs—is where	RED BADGE 41.	0.0
DETROIT.	KED DADGE 41.	96.
A Dear Trout—can swim or	RUN in the FOAM 42.	83.
EASTPORT.		J.
Eastern Port Wine—causes ma	iny a ROYAL JOKE 45.	67.
FORT SNELLING,		
Four Shillings—will procure a		
HALIFAX,	ROYAL OPERA 45.	94.
The Halifax Steamers—land on a	POVAL SHOPE 45	64
HAVANA.	NOTALI SHOWN 49.	0.4
Havana Cigars are as fragrant to	a smoker as a	
_	NEW MUFFIN 23.	82.
INDIANAPOLIS,		
An Indian Appleis often eate	n by a	
IOWA OFFW	WEARY SAVAGE 40.	86.
I one a City respect that eat	ablishes a	
I owe a City—respect that est	REIGN of PIETY 42.	91.
	adion of Pieti 42.	91.

KINGSTON,			at.	Long.
The King's Town-is sometimes	the residence THIEF and o	of a z KING	18	77.
LIMA.				
Lime is about the color of a	TIN GE	EWGAW	12.	77.
MONTREAL,				
A Country Hallor farm-house	is surrounded RICE	by a I ACRE	46.	74.
NEW ORLEANS, The Duke of Orleansmet with	many M	ISHAPS	30.	90.
PANAMA,				
Panama Hats—are brought by	a SEA-BOY fro	m CUB	A 9.	7 9.
PAILADELPHIA,				
Philadelphiansare opposed to	every	RASCAL	40.	75.
NEW YORK, A New Yokeis often made of	HARD H	CKORY	41.	74.
OUEBEC.				
The Citadel of Quebec is prote	ected by a ROCK and	a GATI	47.	71.
RICHMOND, A Rich Manis as independen	tasa MIFF	YKING	38	77.
RIO JANEIRO.				
A Royal Joinerlikes to live in	1 &			40
	NEW MERRY	HOM	23	43.
SAVANNAH,	tmoddon hvr			
A Savanna—is a plain that is	MANY	a FOO!	Ր 32	. 81.
SPRINGTIELD.	MAZZAN I	u 100.		
A Spring in a Fieldwill refre	sh HEROES	or BOY	3 40	. 90.
WASHINGTON, Gen. Washingtonin battle co	nld defeat a			
Gen. Washington In Dattie Co	MOB or	a KINO	39	. 77.
Formulas for Latitudes and Longitudes	des of Places in	n the E.	Hemi	isphere.
				Long.
Algebrais a science that has	manv a	MAXIN	1 37	. 3.
ATHENS.	•			
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BAGDAD,				
If a boy should bag his bad	he would put MAMMA in	his a ROAI	R 33	. 44.
BERLIN.				
A Pearl-is a gem worth mor	e than a		_ , ,	
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BENNEis not so palatable a drink as ARRACK OR SACK 47. BOMBAY, A BOMBis sometimes thrown on the TOP OF A GATE 19. BRUSSELS, BRUSSELS LACEis not so durable as LEATHER 51. 4. CAIRO, A CROWis often seen catching MICE IN A MEADOW 30. 31. CALCUTTA, A CALCULATORor mathematician cares little for the music of a NEW MAY FIFE 28. CANTON, A CANTEENis eften carried by soldiers, who meet an ENEMY IN THE DAY TIME 23. CAPE OF GOOD HOPE. A GOOD HOPEwas felt when the olive branch was brought by the MERRY DOVE 34. CONSTANTINOPLE, A GOOD HOPE	BERNE.	T.	at.	Long.
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JOYOUS MESSIAH 60. 30. VENICE, VENICON	ST. PETER-enjoyed the confider	ace of the	n 1 e	
VENICE, Vanisonwell cooked, is better than	.4		60	. 30.
Vanisonwell cooked, is better than	VENICE.			
		than		
			45	. 12

VIENNA,	Lat. Long.
A VINE-will not grow well in a ROUGH	DITCH 48. 16.
Formulas for Lengths of Rivers.	
The lengths of rivers are given in hundreds of miles.	
AMAZON, (1) , (1) T	Miles.
A mazonians—are as drave as	HEROES 4000.
A Moor—has a residence on the	I I NITTO OTON
ARKANSAS,	NILE 2500.
An Ark AND A SAW—ought not to be used on COLORADO,	SUNDAY 2100.
Coloured Ale—is not as strong as	TODDY 1100.
COLUMBIA, 1 m. 1 m	
COLUMBUS—had many a sail over the DANUBE.	TIDE 1100.
THE DANUBE RIVER—is one into which one may take	DIVE 1800.
GANGES.	21122 10000
IN THE GANGES—the Hindoos often take a INDUS.	DIP 1900.
INDUSTRY—is possessed by the desciples of the	TYDE 1000
IRRAW ADDY,	TYPE 1900.
A RIVER OF WATER—holds more than enough to fill a LA PLATTE,	TUB 1900.
A PLATE—is seen in the house of every	YANKEE 2700.
McKENZIE,	
MCKENZIE THE EXPLORER—found in his travels many a MISSOURI,	KNAVE 2800.
m M n	SEA ROOM 4300.*
NIGER,	1000,
A NECRO—has often ran away from his	OWNER 2400.
THE FAMOUS NILE—looks beautiful in the light of the	MACON SOOM
ORUNOKO,	MOON 3200.
AN GLD OAK—is larger than a	HITE ASH 1600.
OHIO,	
THE OHIO RIVER—is never RED RIVER.	DRY 1400.
T) 7) ***	OW WHITE 2100.
RIO GRANDE,	W WHITE 2100.
A ROYAL GRANDEE—is proud of his	NAME 2300.
Ton Prince Poster Prince Poster Prince Poster Prince Poster Poste	2 *
THE RIVER RHINE—is not as rough as the SEINE.	SEA WAVE 800.
A FIGHING SEINE—is not strong enough to hold a ST. LAWRENCE,	WHALE 500.
THE ST. LAWRENCE RIVER—contains much. THAMES,	WATER 1400.
THE THAMES RIVER—is not as large as the	SEINE 200.

^{*} The Mississippi is included.

the day stong her grown or her. our of hopereds ad above the stone with more Heights of celebrated Mountains.

It will be good exercises for the student now to construct formulas for the highest mountains, upon the same principal as that which applied to lengths of rivers, only giving the height in hundreds of feet. Every one who has carefully studied the preceding pages, is now fairly "on the track" and by practice will be able to make the principles already elucidated and exemplified a most efficient aid in the acquisition and retention of knowledge.

	Feet.
ÆTNA in Sicly,	10900
ANTISANA, EQUADOR,	14300
ARARAT, ARMENIA,	12700
BEN NEVIS, SCOTLAND,	4400
BLANC, SWITZEREAND,	15900
BROWN MOUNTAIN, HIGHEST OF ROCKY MOUNTAINS, N. A.,	16000
CHIMBORAZO, EQUADOR,	21400
COTOPAXI, EQUADOR,	18900
DHAWALAGHIRI, Asia,	26500
GEESH, AFRICA,	15100
HECLA, ICELAND	5500
HIMALAYA, THIBET,	29000
JANGFRAU, ALPS, SWITZERLAND	13700
LEBANON, SYRIA,	10000
OLYMPUS, GREECE.	6600
PARNASSUS, GREECE,	6000
ST. BERNARD, SWITZERLAND,	8000
ST. ELIAS. NORTH AMERICA.	17900
PEAK OF TENERIFFE, CANARY ISLES,	12000
VESUVIUS, ITALY.	3900
	3900

Fomenclature Table;

	1.0	omencialare 140	<i>ter</i>	
1 Hat	21 Wind	41 Road	61 Shadow	81 Veto
2 Honey	22 Union	42 Rhine	62 Chain	82 Fcn
3 Home	23 Gnome	43 Army	63 Gem	83 Fame
4 Harrow	24 Norway	44 Orrery	64 Chair	84 Faro
5 Hill	25 Nile	45 Oriole	65 Jail	
6 Watch	26 Niche			85 Vale
		46 Russia	66 Judge	86 Fish
7 Oak	27 Yankee	47 Rock	67 Jug	87 Fog
8 Ivy	28 Knife	48 Roof	68 Sheaf	88 Fife
9 Abbey	29 Knob	49 Rope	69 Ship	89 Fop
10 Woods	30 Moose	50 Lass	70 Ale	90 Poesy
11 Tide	31 Meadow	51 Lead	71 Gate	91 Beauty
12 Ætna	32 Moon	52 Lion	72 Gum	92 Piano
13 Tomb	33 Mummy	53 Loom	73 Wigwam	93 Balm
14 Hydra	34 Hammer	54 Lyie	74 Car	04 Onem
15 Italy	35 Mill	55 Lily		94 Opera
16 Ditch			75 Eagle	95 Bell
	36 Mush	56 Lash	76 Cash	96 Bush
17 Wedding	37 Hammock	57 Lock	77 King	97 Book
18 Dove	38 Muff	58 Life	78 Cave	98 Beef
19 Tub	39 Map	59 Lobby'	79 Cape	99 Booby
20 Noose	40 Iris	60 Watch-house		100 Diocese

This table must be thoroughly committed to memory. Subjects, whether names, rules of science, or any other may be easily associated with the words in the order in which they stand, and then, as the mind runs upon the table each word will enggest the name or other subject which was associated with it. Oral instruction will be given to classes by the author, in which the great utility of this as well as other principles of the science will be more fully elucidated and exemplified.



