



Tashal-Chim - near 2<sup>d</sup> Mouth  
1794

2457. The Romans had a  
you called Portentus in each  
Galley who beat time to the  
rowers sometimes with a long  
pole or mallet, and some like  
with his voice -

2458. The Greeks and Romans  
beat time with their feet - and  
to music

2459. The Jurists of the College of  
Chim and bearing invitation, Lou  
14 in 1674 to the representation of  
a Tragedy by their school which  
was accepted of by the monarch  
The Father - took care to introduce  
amongst strokes of flattery which  
he was well pleased when the  
Kaiser was coming the thing home  
a nobleman in the train of  
plauding the success of the Tragedy  
"Do you read it and how  
this is my College -"

The father the same night  
put up instead of Collegium  
Claromontanum Societas  
Jesus, Collegium Ludovici  
Magni in large letters of gold  
& good school of curately  
paved the fathering time  
prevalently on the gate

Abbas hinc Sacrum posuitque  
In signum regis  
Impressum: Alcum non colit  
Abbas Duron —

The young man was impressed  
in the Martile 21 years and appeared  
in his necessary to be large for  
him in a released —

2460. The Belucians have  
no written character  
make no use of salt  
- Kill all their prisoners  
give reasons for this very  
cruelly. Send a boat  
the only commodity of man-  
rice - their fields  
houses when there are  
forty or fifty men &  
women - sleep together  
- The King frequents his  
house - When a man  
wants to marry he goes  
generally sends a boat to  
a woman of his house  
- Imagined the world  
could not extend beyond  
their own horizon -  
- King once sent a boat  
to find out the place

of setting of the sun -

Computate the man is a  
prostrate similar to the Chi-  
nese - from the - The woman's  
legs round his waist fold  
over each other - The same  
posture among the Hindus  
only the woman's legs come  
over the man's shoulders -  
- In this publick house there  
is no partition, but the  
men and women lay in two  
rows on mats near each  
other.

- Light their fire as all the  
barbarous nations by two  
pieces of wood, the lower one  
actually flames -

- There is wine in form of  
Liquor - Milk of the Cow  
not drunk - plenty of yams

- Young women pursued  
for men by the leaf of the  
beetle nest - we only  
press our death in war  
we bow for shooting birds  
and are using themselves  
- take their enemy by  
surprise - They privately  
is at a door or window  
and while he sleeps, pass  
a particular knot over  
his head when the party  
instantly drag him on  
board -

- King has many wives  
but they never live to-  
gether nor can see each  
other - He has several  
mistresses -

- They wear a crown

between the weather and the  
moon - Number by knots  
on a thread. Like the Mexi-  
cans - Salt is common  
and abundant on all other  
occasions on their shores  
like the Chinese. -

- Long & Phosus hands,  
on give out the line, raise  
the first time twice over -  
- They sometimes pick out  
lice for his hair and eat  
them. - Was very angry  
when he saw one of the  
I saw combing and their  
hair and killing the lice -  
- They make a variety of  
articles such as baskets of  
different kinds of tortoise  
shell - They take the shells  
for the tortoise by the head  
of boiling water, the animal

is thrown alive into the  
water when the upper shell  
comes off - They soften it  
and mould it into its shape  
similar to method of working  
horn in Europe. -

- Bows and arrows would  
produce a greater effect  
than the darts thrown  
from the hand by the  
short stick -

- The New-Guinian bows  
are like the Polynesian  
and English straight

- The string is a slip of  
<sup>a reed</sup> cane - the arrows are all  
reeds -

- All the spears in New  
Guinea are bamboo - some 18 feet  
long - They are headed with  
hard wood - such as iron  
wood - but not wood of



and located - made very steep  
- cut with shells which  
supply the pillars of edge-  
tools of iron and steel -

2461. Tippoo was in league  
with the Dutch for the fort  
and settlement of Cochin on  
the Malabar coast during  
last war. The price was agreed  
upon they only wished to  
be adjusted was the time  
of payment - The Dutch  
insisted on pay' before the  
fort was evacuated, Tippoo  
not till he was in possession  
of it. Now the matter  
rests solely for the English  
and - Had the British  
been confirmed it would  
have turned out a great  
impediment to the conquest  
in India -

2462. Swearing is a vice little  
practised in Eastern countries  
(by the Almighty (never) - a phrase  
never used - Better than  
an oath, I never go on in India

— your Mother could my p —  
a provoking expression among  
the masses —

2463. There are three sorts of the  
Yondoo — 1. Eat nothing that  
has life in it — 2. eat fish  
The 3. eat every thing com-  
monly used except the ox, which  
they worship —

2464. The mode of discovering the  
offender by chewing rice  
is frequently used in India  
and generally succeeds —  
The guilty person spits  
it out dry — for probably  
prevents the production of  
Saliva —

2465. Oil of rose is sold at  
a cheap price — it is dis-  
tilled up the country. The  
oil of Sandal wood is also  
sold. This oil is very dear —

2466. Aristotle assumed  
as the Elements of all bodies  
Earth air fire and water -  
There was assumed to be  
essentially distinct & that  
in <sup>the</sup> case of being converted  
into one another, and by  
their different combinations  
arrangements and proportions  
constituting ~~the~~ all the  
bodies in the universe -  
His followers for many  
ages, and most modern  
philosophers have adopted  
his Doctrines

2467. In small quantities  
however perfect their con-  
struction, a sufficient de-  
gree of heat for many  
processes cannot be obtained

2460. Try the coloring  
and other properties of woods  
rasp the wood into saw

dust - try infusion of these  
with the different acids -

- The raspings of the heart  
of oak with a solution of  
<sup>green</sup> ~~green~~ verdigris produces a very  
vivid blue - If the heart  
has been boiled an hour in  
water it ceases to produce  
this effect -

- Try Bamboo - cotton - Cocca  
nut - sandal wood &c in the  
same way - Teak - Yellow tree -

2469. Cream of Tartar is an  
acid it is prepared from Tar-  
tar by solution and Evapo-  
ration - Crystallizati -

- Salt of Tartar is an alkali  
it is prepared from Tartar  
by burning the tartar, and  
Sublimating it. The acid being  
as some think converted into  
an Alkali by the fire -

2470. An ounce of Glauber's  
salt contains about half an  
ounce of water of Crystallizati  
which is wholly unessential  
to it in a medicine - Hence half  
an ounce ~~is~~ dried and the  
water waporated, it is strong  
as a whole ounce of the common  
Crystals -

2471. When the Crystals of  
any salt e.g. Glauber's are  
deprived of the water of Cryst:  
and consequently reduced to  
a dry powder if this powder  
be again dissolved and  
Crystallized, the former but  
not quantity will be procured  
None is evaporating the  
water to no part of the  
salt is carried off —

2472. A green Vetroit has been  
in a retort till nothing more  
can be forced over — In the  
residue will be found Vetroit  
acid in the retort Collection  
which last is now in Paris  
for giving the best polish  
to plate glass — sold at 10  
S. Lit —

2473 The best traps has  
about  $\frac{1}{2}$  of 3/4 inch in its  
composition or  $23\frac{1}{2}$  ft

2474 - In India a small  
kind of Tiger named to  
hunt Deer - he is carried  
in a cart loaded with  
among the Deer - the cart  
stops - The Chitter (Tiger)  
leaps slowly down creeps  
along till at a proper  
distance then springs  
along with vast bounds  
and when up with the  
Deer gives him one blow  
on the side with his paw  
this commonly kills or at  
least knocks down the  
Deer, The Chitter takes  
care of him till the Hunter  
may come up, who im-  
mediately cuts the throat and  
gives the Chitter the blood for his fee



2475. The Tyger sometimes  
comes frequently down to  
the harvest fields and out-  
rages and carries off children  
— a girl 8 years old —  
followed when near, looking  
back, but did not let go  
the prize —

— Lady with a snake  
round her arm — crawled  
down without doing any  
harm — Some Lady was  
reading a Tyger came and  
carried off a little dog from behind  
her —

— Elephants draw cart  
with their trunks, draw  
up the cart to crumple it  
of the Earth — and return  
it — when one was between  
the other rest pursued him

- When we in the night to  
left my great weight two  
or more a piece and often  
without any orders -

- An Elephant had the  
boat load for the day given  
greater than usual, was  
ordered by the proper to go  
on with his trunk; he took  
the proper up into a tree  
the load ~~was~~ was then

decreased to the usual quan-  
tity, then the Elephant  
went away as usual -

- They launch boats by  
pushing them alternately  
by bow and stern - The  
vessels are built with their  
side to the shore

- If stinked at any time of  
in his provision, he generally  
takes vengeance on his proper

The Cobra capella has a  
hood which he erects when  
he is angry and erects his  
body at music —

2476. What copper from  
China was found to con-  
tain about  $\frac{1}{7}$  of arsenic  
for copper refined from  
these veins only red  
copper and the garlic  
smell evidently proved  
the existence of arsenic

2477. Might not an oil  
be extracted from Cam-  
phor wood? This wood has  
a strong smell, and  
is found in great plenty  
in Sumatra. It is common  
to China —

2470 Objects of Engineering in  
India

- Oil of rosin from Distills
- Oil of sandal wood Distills
- Oil of Camphor Distills
- Boxes how made
- Hooks and snails how made
- State of Ironmongery - Nails -  
Sprockets &c -
- Art of war - Order of battle  
armies - weapons - Forti-  
fication - attack and defense  
sieging Ladders - whether Cat  
pulleys or other great engines  
of projection - Shields -
- Metallurgy - what metals  
and how prepared from their  
ores - Forms of their furnaces  
bellows - Fuel - Fluxes &c -
- Casting - in what sand  
press in iron. Brass lead  
Compound metals how  
in any and how made -

Objects of Enquiry in India -  
Continued

- Mode of cultivation the cotton  
plant - method of cleaning  
and preparing it - Spinning  
weaving - Different fabrics.  
- Spinning wheel - Looms -
- Silk manufactures (Ditto -
- Architecture Ancient whether  
any resemblance to the Greeks  
and Roman - Temple Edifice  
Monas - furniture - windows  
beds - fire places &c
- Dress - Models of the various  
Dresses ancient and Modern  
military Dress of the Ancients  
whether any resemblance to  
that of the Greeks and Roman
- Salt petre how made in  
India - Gun powder how  
made

Manners and customs  
- Entertainments - Salutations  
- giving and receiving visits  
- Births - Marriages - Funerals -  
- whether widows burning  
- Menes solves he a Law of the  
- State or voluntary?  
- made of Courts help - Love -  
- Letters -  
- Duties sayings and pre-  
- judices -  
- Religious ceremonies -  
- have they weeks - particu-  
- lar fast days - Any  
- doctrine similar to the  
- Trinity of the Christians?  
- Immortality - Metempe-  
- sychosis - Sacrifices  
- Customs respecting the  
- creation flood &c -

- State of Markets -  
- Invents wages - Labourers  
- House rent - House building  
- Land rent - Taxes -  
- Artificer's work - Price &c -  
- Artificial price works -



2479. The Malays have  
spread themselves over  
all the Eastern Isles  
they possess the shores  
of Borneo - Sumatra  
Java - Macassar - Amboyna  
&c &c - The interior parts  
of these islands are in-  
habited by a different  
race they speak a different  
Language - all write the  
Arabic - The Malays  
excelled in Navigation  
they by their means easily  
possessed their shores of  
the sea works of the dif-  
ferent islands -  
The Malays in all Ma-  
lacomans - saw them at  
work at Orangerie point -

2400. - A powder which when  
thrown into a room the  
woman will follow the  
man, evidently in love  
with him - Sympathetic  
the powder wrapped in a  
handkerchief - !!!

2401. The names of persons  
engraved in the rock of the  
Cretan Labyrinth in  
former ages are now in  
alto relievos like incision  
in limestone in lines  
project above the general  
surface of the rock -  
- Another observation on  
the seeming growth of the mineral  
in the Hungarian thin plates  
quarries in Italy &c -

2402. The Cocoa nut tree  
is very tall and slender  
has no branches except at the  
top where they spread like a  
fan under which grows the  
nuts near the center &  
the produce cocoa through  
the year some quite green  
while others are ripe -  
In Bombay a Cocoa nut  
tree is worth a  
good tree with produce  
nuts in the year

- The milk is sweet and nour-  
ishing and constitutes the  
principal and in some  
places the only drink as in the  
Pelew islands, the only drink  
of the inhabitants

2483. Indigo is collected  
in Java - I saw a field of it  
at myri point the tender  
branches are cut off from  
the thicker part of the stalks  
The form are infused for  
24 to 30 hours in <sup>cold</sup> water, in  
Earthen jars or earthen vessels  
hemispherical, the diam.  
about 21 inches, each jar  
is filled within 2 inches or  
so of the brim. A piece of  
rask or black sea coal  
is laid on the Indigo to  
keep it below the surface  
of the water - At the end  
of the infusion the Indigo  
pieces are taken out and  
the <sup>Loam</sup> alkali added. Then

Time is produced from burning  
sea shells coal &c - from 1 lb  
to 2 lbs is added to each year  
The burnt shells ~~are~~  
are put into a calico basket  
of a conical form fixed on the  
end of a long pole which  
is immersed into the furnace  
then lifted high in the air  
to let the steam rise through  
its bottom into the jar. The  
lime is dissolved and mixed  
with the refuse - when  
this operation is finished  
the jar with its contents is  
allowed to remain another day  
before used. The fresh  
matter subsides the the steam  
is partly driven off.

which it is put into a cotton  
basket and allowed to drain  
off when arrived at the con-  
sistence of thick paste, it is  
put into a bag and pressed  
then out and moulded into  
any form desired and laid  
out to dry -

- give what markle?

- what put in Oven? the line

-

2484. Monkeys are said to  
be caught by making a  
small hole in a Coconut  
just sufficient to admit the  
Monkey's head, then put  
sugar candy into the shell  
the Monkey takes a piece  
and of the sugar candy  
rather suffer from self to  
be taken than quit his  
hold —

2485 Marriages are solemn-  
ized in Lippoo's country  
as well as among the Malo-  
ndans in general, by the  
priest reading prayer and  
the company exchanging  
rings — for among the  
Mandacs, the Bride gives  
money for the Bride, not

to among the Mahomedans  
In both sects, the bridegroom  
never sees his bride till the  
Day of Marriage - Pictures of  
each other exchanged - Female  
Confidants - the same in China  
- Many of the Chinese customs  
are found in India -

2406. It is suggested that  
Polygamy should prevail  
most in those countries  
where men have liberty to  
keep any number of women.  
Does not too great indulgence  
vitalize the natural appetite  
and if so is not this an ar-  
gument against Polygamy?

2487. Careless object is  
to induce concept errand



But it is to Knights or only  
Chivalry that modern Europe  
is indebted for the great in-  
fluence & taste the Ladies have  
obtained in Society —

2408. Criticism on "A Little

Learn? is a dangerous thing  
— A little Learn? is a useful  
thing — Life too short to  
drink deep in every kind  
of Learn? — But a little  
is necessary to enable a  
man to understand the  
writings and conversations  
of others —

— Why has not man a  
microscope eye? —

— He who governs people  
must be free —

2409 Reasons for preferring  
an absolute monarchy

to a Democracy —

— Consistency of the form.

— Instability of the latter

— Popularity —

— Energy and expedition

2490. The Java Indigo is  
said to be the best and  
by much the dearest  
— green in what manner  
it is prepared. In Father  
Labate's Description of the  
Islands of the East Indies  
in the Antilles, there is  
no mention of Indigo being  
made use of the process —  
— Green what is the use  
of the same? —

2491. The English made a  
Settlement in China in  
1699 and quitted it 1702  
Various reasons are assign'd  
— some say there was not  
sufficient trade to support it

factory - Others that their  
marriage was owing to their  
own impudence -

Dr. James Cunningham F.R.S.  
went to out in 1701 as Mayor  
to the factory - He arrived at  
Chusan in Oct<sup>r</sup> 1701 from  
which he writes two letters  
to a fellow of the Royal Socy  
giving some account of the Is-  
land and Inhabitants

Produce of the Island - Cows -  
Buffaloes Goats, Deer, Hogs  
Sheep wild and tame Ducks  
Fowls - Rice, wheat, Potatoes  
Carrots Turneps, Spinage &c.  
Ic<sup>e</sup>, all from the same  
Island, gathered at different  
seasons -

Mention a Design of the

Emperor to visit the site  
of Dou-to next birth day  
to worship in an ancient  
Pagoda but was diverted from  
his purpose by the presence  
of a representative to whom  
the Emperor was very displeas-  
ed that place - It was the  
fortieth year of ~~the~~  
the Emperor's age -

This festival of Dou-to is fe-  
mous for past 500 years -

- 50 years ago Chu-san  
was very prosperous - several  
little houses etc. but totally  
destroyed by the Tartars -

18 years ago ~~it was~~ the walls  
were built by the Government  
of Ting-hai for a Garrison to  
repell Ayutla

The Only Manufacture here  
is Linnen Ware —

Bohea is the very best gathered  
in the beginning of March  
and dried in the shade —

The Bohea Tea is the second  
growth & spirit over

Bring to the best in Pray  
~~and~~ ~~from~~ both dried a little

in Tachon or from over the  
fire — Tea should be in earthen

green in flower from October  
to Jan. and the seed is ripe  
in Sept. and Oct. following

so that one may gather both  
seed and flower at the same  
time

The Count is mistaken in  
regarding the Charms or Strangers  
to the art of Craft

In ingrafting the Cherry  
do not make a slit in the  
stock but cut a slice on the  
side of the stock and the graft  
is sloped to correspond to it  
the bark which grows over to  
the junction is held back in  
new points over the graft &  
all are laid together covering  
with straw and mud as in  
Europe

- By the shells of spruce in the  
water returned into the water  
are replenished with new oysters
- Fishing - on mud banks -
- Aqueducts - built into the  
form but calculated to retain  
the water - through with one  
leaf of a low -
- presence of cultivated rice

- Treated water by a kind of  
Chin pump, or cut wood by  
Machin -

- Made of making salt -

- Earth found off land on heaps  
to Dec - rubber and substance  
put into pit with straw on  
the bottom - Bamboo leads  
into an Earthen jar placed  
below the level of the other  
Salt water is then poured  
on the earth two or three  
inches above the earth this  
drains through the Bamboo into  
the other jar, and is afterwards  
boiled into salt -

Story of the man going &  
sampling

- Then see J. Cunningham  
why he did not continue his  
comparisons we hear of



The same author

In 1702 the settlement at  
Chusan was broke up —  
then D. C. removed to another  
settlement on Pulo-Condor  
a situation very ill chosen  
— At Mr. Ketch pole had the  
direction — took a certain  
number of Macassan into his  
service — built a little fort  
procured the necessaries of life  
all the Island produced —

The Macassan are a brave  
industrious and faith full peo-  
ple to such as use them well  
but daring cruel and revenge-  
full to such as use them ill  
when once they are provoked  
— Contracted for three years and  
the end of which they were to  
receive their wages, and part of

They arrived - The Doctor  
broke his engagement, kept be-  
yond the time and a committee  
with - To this breach of fidelity  
he added an equal one in poli-  
tics he continued to entrust  
them with the care of the Fac-  
tory and also kept them as  
his body guard - They cut  
the throats of the Governor and  
all in the fort in one night  
Some who lodged without  
hearing the news rather fled  
to the sea shore when sud-  
denly finding a boat com-  
pletely equipped they got on  
board and after various loss  
suffered arrived in a small  
creek in Borneo in the King of  
Jehores dominions, having run  
a course of 100 leagues -

Now they were received with  
and treated with as much kind-  
ness - The Company formed  
the Design to of what became  
a Settlement in Borneo.

Capt Barry Director acted  
with great Judgement, but soon  
before the works were finished  
Direction devolved on Doctor  
Cunningham who had escaped  
from Aulo - Condore - The Dr  
being more intent on his studies  
than the concerns of the Company  
the latter were intrusted to people  
by no means equal to the task  
- began to insult the inhabitants  
reached one of the King's boats  
in which was a Party of Quality  
- King escaped, return was to  
expell the English from this

Two ships - were an army  
of 3000 desperate fellows in  
100 Bows - English went  
on board the two Company  
ships in the River - Assault  
commenced in the night facto-  
ry burnt - Two merchant  
men burnt with all on board  
- Great ships attacked, but de-  
fended them selves making  
prodigious slaughter among  
the Malloys - some say in  
two hours 1500 were killed  
- The English however were  
obliged to quit the settlement  
in Keelo-Cout - The King of  
the Island however finding his  
revenue diminished by the loss  
of the English trade entered into  
a treaty that he would still trade

with the English on the old  
footing, but would never suffer  
them or any other nation to  
build forts in the Dominions  
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2492. Advantage of the Chi-  
nese mode of building - simple  
thick - fire & -

2493. The solution of all  
the simple salts, whether  
acid or alkaline, produces  
heat; that of all the Neu-  
tral salts produces cold  
- And those salts which  
dissolve in greater quantities  
in hot than in cold water  
produce most cold in solution

2494. It is reported that the  
blades of Crispa &c. are  
killed by a mixture of  
Cori. Sub. and Lin. Juice  
applied hot - gum. P.

2495. The Prangue tree  
tree produces Gum  
Branze - green - is it good

2496 The white streaks  
on the Malloy Crispa  
are occasioned by the  
juice of Pan <sup>simus</sup> applied  
to it for some days after  
which the blade is cut  
over with Arsenic intended  
to poison it

2497. The Dutch supply  
all the Empire with  
Spices consisting in very  
few articles. — One Ship  
sails annually from  
Batavia, and carries the  
whole to the amount  
of about

The Nutmeg and several  
other Spices are collected  
at Amboyea from whence  
they are transported to  
Batavia —

2498. Genuine Nutmeg is  
solid and uniform, clear  
has no holes stuffed  
with Chinnam — like the  
bad — the good is heavy

2499. Mass is the covering  
of the Nutmeg -

2500. Cassia and Cinnamon  
are barks of trees, the  
former found in many  
places, the latter prin-  
cipally in the Island  
of Ceylon -

2501. Cloves are good when  
on (dubbing and stripping  
an oil is expressed out  
of it. if dry not good

2502. The abuses committed  
by the company's servants  
at Bencoolen are numerous  
- Opium is sold by agents  
according <sup>to</sup> the company's  
Instruction, care is taken



That no one can purchase  
it except the servants of the  
Company. - It is put up in  
such quantities, 4 or 5 chests  
at a time, that the Rajahs  
and other chief men of the  
country cannot raise <sup>money</sup> sufficient  
for so much. It is afterwards  
sold in smaller quantities  
to the natives at one or two  
hundred  $\text{Rs}$ . Cent - Opone is  
the establishment at Ben-  
coolen of <sup>to</sup> the Company?  
- One ship carries all the  
the pepper exported to Britain  
from Bencoolen annually -

2503. The expense attending  
the present Squadron is  
such as would have been  
sufficient to have built  
two frigates - The Triton  
is one of the two companies  
ships, Capt. Cunningham  
is hired at the rate of  
pounds 9 months -

The other two ships pay  
22 £ each for demurrage  
The victualling of the Fleet  
which at Gibraltar cost  
about 25 £ p. Day -

2504. The Maltays have  
boarding Stages which they  
raise as high as the vessel  
they intend to board - They  
have also ladders which  
they hoist up with ten or  
12 men on them, so the  
vessel need not rise any  
more being it is hoisted  
over the Deck of the adversary  
ship and instantly lower  
it -

2505. The Vertical Part  
of the moon is wrong, defined  
by writers on Astronomy.  
If the moon be in the  
horizon and a straight line  
be drawn from her center  
to that of the earth, it is

impossible to draw another  
line from the moon center to  
the point of the spectator without  
cutting the curved surface of the  
earth. — Euclid III Prop: 16 —

The  $\angle$  formed by the joint of the  
two mentioned lines and a tan-  
gent to the Earth's surface is  
the true Parallax, the versine  
of this  $\angle$  above that of the con-  
vex depression is, on account  
of the Distance of the moon  
from the Earth is so small that  
it may be neglected —

2506. The spots on the sun  
~~have~~ been observed to  
~~cross~~ each other and to  
have motions which some  
Astronomers deem incon-  
sistible with a <sup>regular</sup> rotation —

2507. All woods become  
heavier than water, by  
having the air extracted from  
their pores by sun air-  
pumps or by boiling, or  
by a long continuance  
of the wood in cold water.

2508. The Ancients were  
probably superior to  
the Moderns in tempering  
steel. The Ancient es-  
sentials required swords of  
the best temper to pen-  
etrate it —