farmers ~~[illegible]~~ bring their wheat or coffee = to fisherman throwing back

Mad world = Wars to prevent wars.

many other irrational things

Human behaviour becomes quite unpredictable

Can at least inanimate nature be depended on to behave rationally i.e. to behave in a predictable way:

Laplace: Essay on probability 1812 The present state of the world may be regarded as the effect of the antecedent state, & also as the cause of the state that is to follow = etc 109-110.

Causation Kant
Constant conjunction Hume.

Cause
Concommitant.

Science teaching should be made more exciting, more challenging and more related to real life.

The Americans' text books are gay and interesting, ours look stodgy and uninteresting to read

Kingsland – Head of a technical school

I hope we shall not make ourselves look ridiculous by finding some sort of verbal, face-saving compromise

Warbey.

No one, as Lord Hailsham has pointed out, takes all the words of the National Anthem literally; they are out of date, but there is no great urgency to change them:

Woodrow Wyatt

The English tend to be an undoctrinaire nation. They prefer to adjust themselves to situations + events, rather than to a preordained written theory. It is not by chance that we lack a written constitution. ~~Given a~~ Presented with a dogmatic solution the English instinctively feel that there must be something to be said on the other side they try to evolve a form of halfway house

Wyatt.

But almost every public pronouncement by any eminent man now seems to be phrased in such a manner as to muddle the general public at the risk of being accused yet again of cynicism. I must suppose that this is intentional – designed to provide escape clauses, loopholes and bolt holes

when things turn out quite differently. But is it necessary? All that happens is that my expat colleagues seize on presidential or ministerial adumbrations twisting them this way and that as though they were so much verbal bubblegum

"What the Minister was really saying —" If a journalist can so immediately paraphrase, without fear of bringing down our social structure down about his ears, what advantage can there be in wrapping things up in the first place?

John West — Sunday Times,

"Not just clean" my ~~beta~~ chemistry master used to say "but scrupulously clean"

In the bad old days there were three easy ways of losing money; — racing being the quickest, women the pleasantest and farming the most certain.

Lord Amherst of Hackney

A critic of his actress Sarah Bernhardt: Her faults were rank: they cried to Heaven — when she was not there.

There was a method in her badness —
Quest after the sacred unity of the seamless robe —

Many are the sayings of the wise; and many more are their interpretations —

Epitaph of Yale former Governor of Madras, ~~and~~ who endowed Yale University, begins thus:-

"Born in America, in Europe bred
In Africa travell'd and in Asia wed,
Where long he liv'd and thriv'd
in London dead - - -"

1944 Pamir Expedition sponsored by the Acad of Sciences' Physics Inst. [wh engages in Cosmic Ray research under Prof D. Skobeltsyn, Corresponding member of Acad] was headed by Prof V. Veksler — Theoretical group headed by I. Tamm (also Corr. member of Acad)

Photogr. ~~m~~ method of recording proton showers designed by Prof A. ~~Zh~~ Zhdanov of Leningrad.

Summit of mount ~~S~~ Zorchechetska. 6000 metres above sea level — site selected for permanent high altitude Station

Let- who will be clever — Kingsley's advice to the good.

Russell as an undergraduate or very youthful fellow shocked at- Dr Jowett's ignorance of the late Greek and Latin authors who were Russell's special line ~~ed~~ is reported to have ended the conversation with "Well, Master, what- have you read?"

Should you be able to spare a few lines more I shd like to ask - - -

In spite of the admitted animus wh inspired - -'s references to . . there can be no doubt that he was right- in pointing to - - -

As the Greeks with their extraordinary gift- for being right — Times.

Like many another young divine before + since — Times

Certain qualities sometimes associated (not altogether unjustly) with academic society — namely an irritating intellectual superiority and personal vanity. — Times

Written with a view to their being understanded of the people — T

Omnicompetence. || A teacher born out of due time.

It may be allowed that his own practice was better than his precept. — T.

Was the first Englishman to tackle a philosophical treatise in the English language —

Deserves both praise & congratulation —

when complexity and obscurity combine to suggest that the writer is taking the reader into his confidence — T

His (Kipling's) politics remained infantile;

These essays point the way, though they do not perform the task.

The thesis is too neat to stand scrutiny, though the description . . is acceptable enough.

Ensured that freedom and that divergence of local and provincial life which the French ~~of~~ genius requires.

Those who can not leave well alone, but insist on calling it evil . .

Time, a man's life time, is not — whatever Goethe may say — endless long.

A man is born learned or unlearned, because he is born with or without a memory :- Saint-Beuve's memory was prodigious.

Study of St Augustines' development has often been content to see him safely baptized — as the duty of the old fashioned novel ended with marriage.

Punch 1945

Urging that Ministerial cobblers should stick to their Departmental lasts.

(401) Miss Wilkinson, said he, had shown herself to be an angel rushing in where her male colleagues (described for the nonce as "archangels") had feared to tread

F.E. Smith, whose incomparable brilliant maiden speech drew from Tim Healy the tribute

"I am old, and you are young, but you have beaten me at my own game"

The vicious spiral : The fatal whirlpool :- (Inflation)

(378) And discussed so loudly that many people thought he "had about Churchill the floor" until they noticed that he was still sitting and that some minister opposite was trying to make himself heard.

& produced a glint in the eye of the "old War Horse which boded no particular good for the risible ones.

(379) Put his foot into it with both hands.

Surely the original of the "Gentle Giant" of the advertisement - referring to Dalton.

There was 1s. off the income-tax (making it a mere 9s. in the £)

(362) A doer of things noble and a lover of things beautiful.

(362) Like the fine and upright Alderman Tom Kelly he wanted to die in bed surrounded by medicine bottles.

Much of what -- says is sound sense and needs saying; though not many people are likely to listen.

(346) Though it is not just round the corner, is hardly more than a couple of blocks away —

that elusive commodity, soap.

(356) Dalton announced that he was giving up the role of Oliver Twist (in the sense that he would not ask for more — after this trifle — to pay for the war) in favour of that of Scrooge (pre-dream) in the sense that he would firm now on grasp and save pennies — even shillings and pounds — where he could --

(375) The House then got down to an examination of the morals of the Budget-horse who Mr Dalton had trotted out yesterday.

He found the quadruped on the whole a good one, it had a slight tendency to kick the wealthy and perhaps an inclination to eat too much golden corn.

The somewhat tiresome process of examining the ventures of Mr Dalton's Budget-horse was continued.

Times Lit. Supp. 528

He admired a "full man"

Handwriting, like cooking, is an everyday art, but the handwriting of a Johnston is no more an everyday occurrence than is the cooking of a ~~Carême~~ Carême.

This atomic and jet-propelled era is at once barbarous and formidably ingenious. When it comes to the arts of daily life, people are in great danger of becoming "cultural orphans" to ~~ex~~ use the expressive phrase of Lord Eccles.

As we emerge from the chaos of a second and far uglier world war we need to be reminded that it is worthwhile to foster excellence in the civilizing crafts. Such at least is the train of reflection ~~of~~ which the Johnstone Exhibition ~~provoked~~ provoked in one visitor, whose present appetite for civilization is in no danger of being surfeited.

p. 529. While his drawings sometimes seem to have reached completion by some other route than the common one of intent, his prose pieces seem always to have started at the beginning and to have reached the end by way of the middle. ——

520) Mr T is never mad more than nor'-nor'-east-

521) A little wholesome prejudice hurts nobody and least- of all the object of it.

His inclination to see literature not- as a mystery or a discipline, but as the great- perpetual Mistress of the Art- of living.

I have been in the Kitchen where English literature is cooked.

The elementary dangers he could be trusted to blow away with a joke.

How ~~could~~ did he unite such a quality of the study with such a folks-of-this-world way? All I know is he did ——

A pirate from Greats who had learned French for the purpose —

Into port- after a rough sea ——

I have always found that the Sussex native is easy to deal with. He can be led, though you can not- drive him. ——— The essence of such a man is the profound self respect- that- makes him leadable if, and only if, he wishes to be headed.

misc. Inform:

Clifford's chain

Clifford's chain

"Take three lines forming a triangle, then we can draw a circle through its vertices.

"Take four lines and omitting each in succession draw the four circum circles of the four triangles which remain. The centres of the 4 circles lie on a line.

"Take five lines and omitting each in turn draw the five lines each of which is associated as in the previous proposition with four given lines. These five lines pass through a point."

And so on ad infinitum.

Works of Lewis Carroll

Sylvie and Bruno

collected problems in symbolic logic

See L. A. Thomas Nature 155, 424 1945

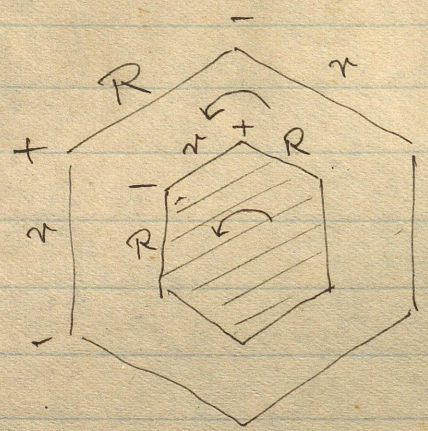
# Types of twinning (interpenetrating) in α-quartz

All sections ⊥ to trig. axis 1) ↻ indicates direction of optl. rotation

2) + − indicate development of charges on compression

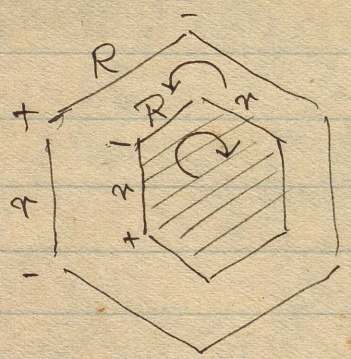
3) R $+^{ve}$ rhombohedral face

r $-^{ve}$ " "




Type 1. Inner rotated by 60° with resp. to outer. Optically homogeneous
Dauphiné twin or Electrical twin Elastically + electrically inhomogeneous.

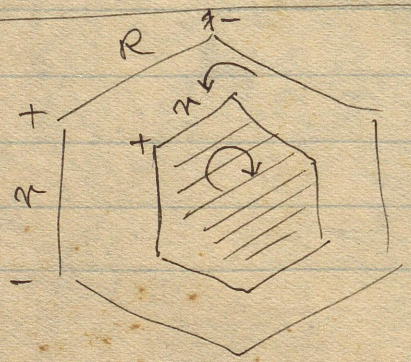
---




Type 2. Brazilian or Simple optical twinning
Elastically homogeneous, but optically inhomogen.
Because of optical inhomogeneity, the polarisation
charge + electrical inhomogeneity

---

Type 3



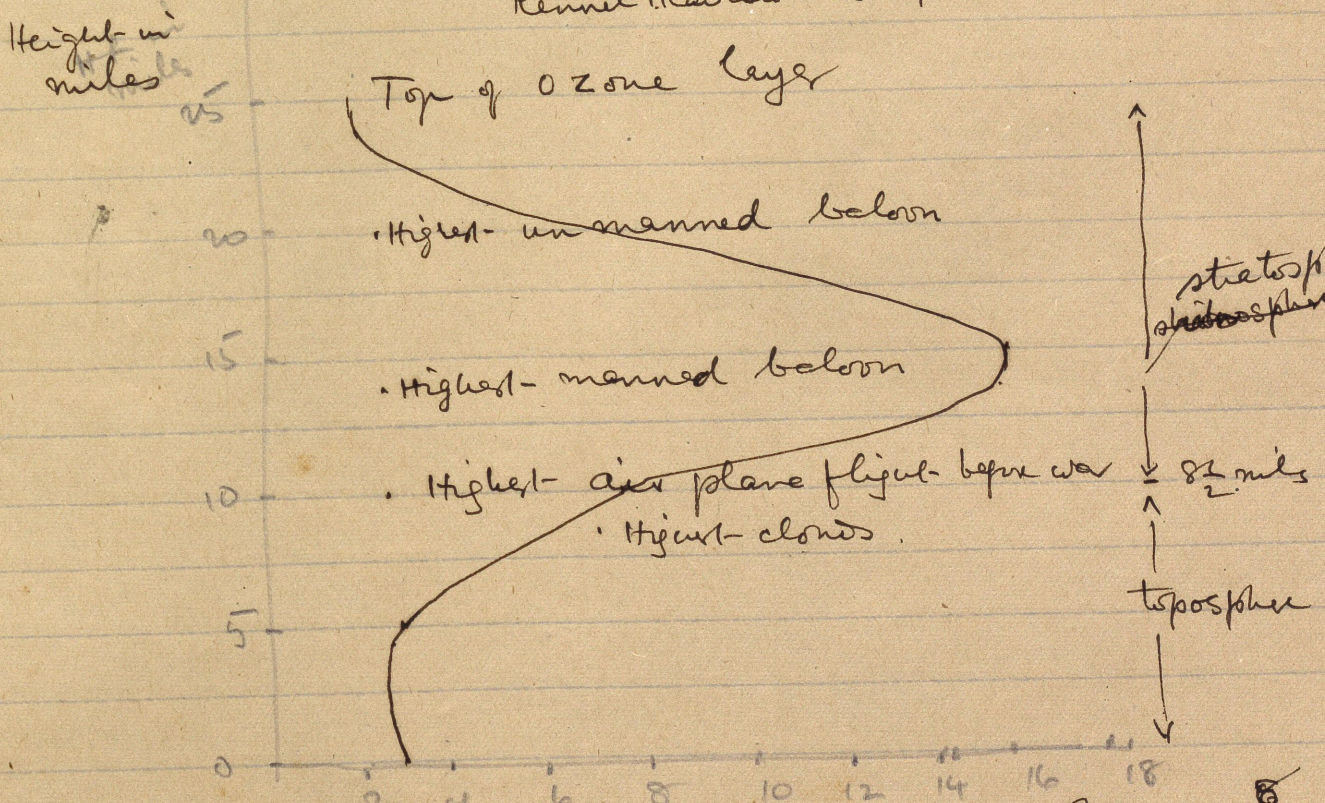

Compound optical twin:
Inside rotated thro' 60°; optically different.
Elastically + optically inhomogeneous.
but electrically homogeneous.

## Misc. information

At the 148th meeting of the Commissioners of the Exhibition of 1851 Lord Macmillan emphasized that the scholarship scheme has produced many of the most eminent men of science in academic, industrial and professional life, including 66 Fellows of the Royal Soc. and no less than 6 Nobel Laureates.

Good spiders' thread may be as thin as 20 μ or less

Appleton layer 90–250 miles
Kennel Heaviside 65–70 "



Man is free if he needs obey no particular person but solely the laws — Kant.

Mair's-eye-view

— They believe as well as they know how —

Poor von Tirpitz! I to have dined with Montgomery — Churchill

Bernard Shaw to Sternberger court photographer in Brussels in explanation
I paying 20 cheques of ~~£ as~~ £10 each " I understand that the price for my autograph is £25. By giving you 20 cheques both of us will profit. You can sell the £10 cheques for £25. the purchasers of course will want to keep the autographs & won't cash the cheques."

Mr Speaker having been afflicted with the deafness which is part of the equipment of all wise occupants of the chair —

An author whom everybody has read, and nobody reads
(after W. Scott)

Eleven league boots.

A young man takes after his own generation rather than after his father.

Battening =

The cook was a good cook, as cooks go; and as cooks go she went. — Saki

Hyphens:
Distillation flask, coal gas, Dropping-funnel, weighing-bottle, non-metal, photosynthesis.

As the Maltese cat said "If he is born with a love for the game (polo), he can be made"

Whatever the ingenuity of man invents, his perversity will misuse — Viscount Samuel.

Toast- ~~was~~ said to have been proposed at a dinner in Cambridge "Here's to (Mathematics in Higher), and may they never be of any use to anybody".

We ~~shall~~ will never approach history impartially, but as Germans —

"Genius is a zigzag streak of lightning in the brain." Here must first come the sudden idea — vivid, dynamic. Only after that there is need for that infinite capacity for taking pains of which we have always heard; there must be sound knowledge laboriously acquired & can put to effective purpose the vivifying idea — Viscount Samuel.

Saki's young man who once knew the difference between right and wrong but had forgotten what it was.

"Orthodoxy is my doxy; heterodoxy is another man's doxy"—
Priestley in his Memoirs

"There are not enough chairs, uncle" The host— "There are plenty of chairs; there are too many people"

He speaks extremely well if you do not listen to what he says — John Bright.

Reason is the pace; increase of science the way; and the benefit of mankind the end

Ancient chivalry of highwaymen who having removed all one's valuables, raised their hats with a polite bow in parting.

The Rehearsal has not wit enough to keep it sweet; it has not vitality enough to keep it from putrefaction.
Dr Johnson

In May of 1609 the day the news of the 1st telescope reached Galileo, he built a telescope of plano convex & plano concave lenses, and later he constructed another of magnifn. 8. This he presented to the Doge of Venice in Aug 1609.

Afterward he produced one of 32 magnifn.

A lady trustee of a home for delinquent girls to its director:- She really thought that the time had come to try to have a better class of girls in the institution:-

At the time treating me as if I were her pregnant daughter-

An Expert is one who knows more and more about less and less — Nicholas Murray Butler

An expert is a person who avoids the small errors as he sweeps on to the grand fallacy: Benj. Stolberg.

A specialist is someone who is always telling you what can't be done - Ford

The chief source of spiritual nourishment for any nation must be its own past perpetually rediscovered and renewed —

Prof R. B. Perry.

I never read the Atlantic. I skim through it the way I do the Bible —

Oil and politics formed a high octane mixture in Paraguay last week — Time.

Temper bad: digestion too good.
Facts are stubborn things — Lenin

His ability to drink 22 vodka toasts with no audible thickening or loosening of the tongue —

To be alive still is something

Frenchwomen, even if dressed in rags, will wear them with that chic that defies imitation

The French are not jealous of the Jews, being also intelligent —
Adrienne Monier.

We send missionaries to China so they can get to heaven — but we won't let them in this country — Pearl Buck.

Jacob Flexner: Physician
Bernard " = lawyer,
Simon " = For 32 yrs Director Rockefeller Institute for Medical Research
Abraham The Egocentrists: Philosophy + Psychology at Johns Hopkins.
School teachers: Carnegie Medical Schools Report —: Report on prostitution

General Board of Edn.

in Europe, to Rockefeller: later Director of Institute for Advanced Study at Princeton (Formed by Louis Bamberger – Dept Store man)

A productive scientist has time to loaf. The less routine – and the fewer fixed appointments, the better for him. He needs leisure in which to browse. ~~He needs leisure in which~~ During these periods of gestation the scientist may be restless, moody, hypersensitive; he may go on long walks alone, or lie on a sofa staring vacantly at the ceiling –

A. Flexner

When a Polish farmer was transfered from Russia to Poland during one of the usual adjustments of boundary:

Thank the Lord; I could never have stood another of those Russian writers: — Stol.

Reasons coldly and argues warmly.
Expanding girth & receding hair.

The men I venerate are not those who can arouse a nation's enthusiasm but those who can do what they think right in the teeth of a nation's opposition — Smuts.

Since Physical Science, in the course of the last 50 years, has brought to the front an inexhaustible supply of heavy ~~supply~~ artillery of a new pattern warranted to drive solid bolts of fact through the thickest skull, things are better — Huxley.

"Robinson Crusoe did not feel bound to conclude from the single human foot-print which he saw in the sand, that the maker of the impression had only one leg". — Huxley.

"Do you Know what we do in Bernard Castle when it rains?" "No" "We let it"

Give me understanding, and I shall keep the law; yea, I shall observe it with my whole heart — Bible.

"Which is more useful, the Sun or the Moon?" asks Kuzma Prutkov, the renowned Russian philosopher, and after some reflection he answers himself: "The Moon is the more useful since it gives us its light during the night when it is dark, whereas the Sun shines only in the day time when it is light anyway" —

British soldiers fight & die in order that British judges may judge according to their conscience. — David Hume.

Humpty Dumpty on his use of words "I pay them extra, and make them mean what I like. ——

Melt not in an acid sect—
The christian pearl of charity — Whittier.

Each after his kind —

Gunpowder made all men the same height — Carlyle

Entering into wedlock for a meal ticket—

The moral is to me material as 10 to 1. — Napoleon.

The people of Crete ~~apparently~~ unfortunately make more history than they can consume locally — Saki.

The Liberal Govt injures friends ~~as~~ no less than enemies. Look at me! I am a passive resister; I belong to the National Liberal club; I have married my deceased wife's sister, and none of my children are vaccinated; ~~yet~~ yet they are meddling into my rights as a landlord —
A Liberal peer

May they flourish, root and branch, for ever and ever. ——

Old proverb alone—Keeping a dog and barking yourself.

We have more hay on our fork than we can chew ——

# Misc Sc. Information

Corning glass Ultra Violet filter No. 986

Brownian motion has sometimes been called pedesis
∵ the particles seem to walk about.

Write to Kodak for the 88-p. 16th edn. of the ~~pu~~ booklet Wratten Light Filters Transmission Curves, Tables & ~~[illegible]~~ notes on use of filters for special purposes given.

Kapitza process for making liquid air

In Linde machine air compressed to 200 atm. In Kapitzas expanding gas allowed to do work (5 atm press. suff.) in turning a turbine 40,000 r.p.m

30 Kgms of liquid air produced in 1 hr

1·7 Kilowatt-hour per Kilog. consumed. By ~~[illegible]~~ utilizing the work done by the turbines expected to reduce to 1·2.

/See Nature Sometime before Aug. 1941.

At annual $\sigma\xi$ dinner Aug. 1941

Dr Ernst Antevs spoke on Climatic Variations in the South-west during the past 75,000 yrs.

E. T. Bell on Diophantine Analysis.

Misc. Sc. information ~~(Personal)~~ (Contd)

Leon Brillouin of College de France was visiting Prof at Univ of Wisconsin 1941–42.

Dr Jacques Errera: Manager of Research Control Division of Sidney Blumenthal & Co Shelton, Conn.

P. Kapitza: Institute of Physical Problems of the Academy of Sciences of the U.S.S.R. in Moscow.

Theor. Physics is declared by Nazis to be "Jewish Physics" & its high priest Einstein.

The German popular spirit wh is unoverburdened ~~by~~ with erudition — Lenard in Germany & Jewish Physics.

Franck, Bloch, Bethe, Heitler, London, Peierls, Wigner, Weiskopf. who left Germany.

Fermi, Rossi, Rossetti Segré

J. A. Stratton author of Elec. mag. Theory McGraw.

In 1830 R.S. had 662 Fellows of whom only 104 with any claim for Sc. work.

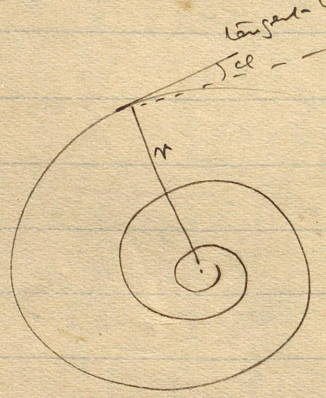
In 1846 no. to be elected ever yr. restricted to 15! In 1930 increased to 17. in 1937 to 20.

Present strength 450 – 500.

Spl. committees sift candidates for electn. But final selection made by council:

## Information

In Crete 2 or 3000 yrs ~~ago~~ before the xian era all the citizens had their meals together; a few 100 yrs B.C. the citizens fed together in Sparta + some of the Dorian States of Greece — We do not know what happened to the women + children: Perhaps they had their frugal meals in their own homes — C+T




$$r = c\,e^{\alpha\theta}$$

rad at $\theta = 0$.

$\theta$ measures the $\angle$ the rad vector makes with a standard rad vector.

$$\varphi = \tan^{-1}\alpha.$$

---

"After the Prime minister had signed (on June 12, 1941) his name in the ancient chart BK (of the R.S.) [Sir Henry Dale showed him the signature of his ancestor, Sir Winston Churchill, father of the great Duke of Marlborough, who was one of the early fellows of the Soc, having been admitted into the Fellowship in 1680". Volume:

under beet root cultivation
One acre can produce 3500 lbs of sugar

Sucrose $C_{12}H_{22}O_{11}$ (crystallized water + sunshine)

As limp as a left-over pancake

20,000 yrs old mammoth preserved under Arctic ice: discovered recently: 2nd of its kind.

Earth divided into 24 time zones.

Every day lasts altogether 48 hrs!

When sailing from Japan to America you go to bed on Sg. Tuesday I, Aug 5, + wake up next morning on Tuesday II Aug 5. Sunday however not repeated. The Sg after Sunday is Monday I + then Monday II.

If you travel from Europe to America again alone an hr every day and get an extra hour's sleep. From Am. to Eur you get one hr less per sleep.

Foucault pendulum expt: After 6 hrs plane of oscill. at right L to original plane Suppose originally the plane of oscill. includes a star in the horizon. The star will continue to lie in the plane of oscillation even when the latter has changed.

Another proof of earth's rotation: wt of a body at equator < at pole.

In early telephones same mouthpiece used both for listening & speaking. Hence the notice "Don't talk with your ear, nor listen with your mouth"

Some surface areas: human lungs 2000 sq ft
Intestines 50 "
red corpuscles 3/4 acre

Wheat properly stored known to be good for eating after 50 yrs: meat, fats & carbohydrates almost indefinitely: Siberian mastodon, tens of 1000's of years old, preserved in ice, steaks of this ancient meat were actually served to the Russian Acad. Sciences as a demonstration of its edibility

Azizia in Tripoli 136° F recorded not 8 yr undulled
Greenland Ranch Death Valley, California 134°
Siberia 90° below freezing

will receive its last crumb and the cupboard will be bare.

The earth slows down in its rotation by 1/1000 sec per century

In 1897 apparent length of the year changed by a sec. Can be explained as due uniform expansion or compression by about 5" in diam^r. [may be layer of some material at critical temp. Any small change in temp will involve large change in vol.

---

Frequent occurrence of large patches of blighted plants in a potato field 10 to 50 feet diam^r - due to lightning. Roots tubers act as conductors

---

With ultra violet staining may not be necessary for ~~[illegible]~~ differences under the microscope. Diffces in absorption sufficient. e.g. virus stands out against cell.

---

Neither science nor nature has yet produced a black flower: "Black rose" is deep red.

---

In ascent of rubber baloon, as it rises the hydrogen inside & the baloon expands: Air Resistance per sq foot diminishes: the two compensate and speed of baloon nearly constant during ascent.

---

Called Statosphere because once thought to be stratified as layers of different gases. $H_2$ particularly

---

Picard's ascent 10 miles: 3" press.

No amount of experimentation can ever prove me right. A single experiment may at any time prove me wrong. —— Einstein

Efficiencies of light sources lumens per watt

| | | | |
|---|---|---|---|
| 1879 | C. carbon lamp | 1.4 | candle flame 0.1 |
| 1880 | carbonised bamboo filament | 1.6 | acetylene 0.7 |
| 1886 | Squirted cellulose " | 2.5 | Gas mantle 1.2 |
| 1896 | Treated " " | 3.5 | |
| 1905 | metallized carbon " | 4.0 | |
| 1906 | Tantalum " | 5.0 | |
| 1912 | Drawn tungsten " | 8.0 | |
| 1913 | Gas filled lamps | 8.0 to 25.0 | |
| | Neon lamp | 20.0 | |
| | Carbon arc | 20.0 | |
| | mercury arc | 40.0 | |
| | Sodium lamp | 60.0 | |
| 1938 | Fluorescent lamp | ca 75.0 | |

Extreme of Temperature → 136° Azizia Tripoli
90° below zero Siberia

134° in Death Valley California

Harvard Microscope magnifn. 50,000.
Effective " 6,000

1 Cub inch of Silica gel contains 1 acre of pore surface

The retina of the human eye about 3000 times as sensitive as the fastest photographic film.

Frank Thone in Sc. Service - reproduced Sc. Dig. Jan 39 re "the notebooks of Leonardo da Vinci" edited by E. MacCurdy. (Reynal & Hitchcock)

Tires lose air faster in summer due to the expansion of pores in the rubber —

The longitudinal shrinkage of wood only about 1/100 of the transverse shrinkage.

---

To find Eastern Standard time in America take the 2 ptr stars of Great Bear (ptg to pole star) as ~~small~~ hour hand of clock: Read hour: ~~x 2~~ add no of months since Jan 1 if product bigger for

Multiply by 2. Subtract product from $28\frac{1}{4}$ or $52\frac{1}{4}$

Result hours since previous midnight.

100 to 250 foot candles best for reading.

The Changing Calendar Sky Feb 1938 (published by the American Museum of Natural History)

By Wm H Barton Jr. (Sc. D. Apr. 1938)

Hebrew's date of creation: zero hour for reckoning 3671 B.C. according to ours. 5699 AL of Jewish era began at Sunset Sep 25 1938.

Sothis, Sirius, seen rising just before the morning sun — just before the rising of the Nile in the yr 2781 B.C.

Quintillus to July Julian, Augustian Sextillus to August

365.2422 days in year.

Gregorian leap yr to be dropped at the beginning of every century, except every 4th when it would be restored. This wd be = 365.2425 days. 26" too long

---

The dog, the cat, the horse the bull are all colour blind. But the reptiles birds & insects can see colour. Why nature shd have made all other mammals colour blind, then changed her mind when she came to man, is a mystery — Estabrooks

Scientist [illegible] man who does simple things in a difficult manner [illegible] "dwarf" —

Drugs & perfumes by the acre [illegible]

R. Popular Mech. mag. Sep. 1941.

Daylight Saving time "1st suggested" Ben Franklin

Best way of utilizing solar energy seems to be

1) some simple photochemical reaction whereby radiant energy converts $CO_2$ + water into formaldehyde. (with a suitable catalyst if necessary)

2) put the formaldehyde in an electrochemical cell expose it to $O_2$ & get back stored energy as electrical energy. Formaldehyde can be oxidized

3) in a cell in a basic soln to give formic acid & a small amount of electrical energy.

The catalyst the nature uses is chlorophyll — best but poor: efficiency < 2%.

---

Either increase or decrease of earth's temp may cause an ice age: depending on local conditions! Bull. Smithsonian Institution.

Salary: from Salarium - that part of the Roman Soldier's pay which was paid in salt.

Singalese proverb: the coconut will not grow out of the sound of the sea

"A little inflation is like little pregnancy. It keeps on growing"

Cost-luck to share

She's the kind men look at twice

A politician who is held upright by equal pressure from all directions.

Last night I had a lot of trouble with a lady taxi-driver — she wanted me to sit in the back seat. — Bob Hope

Sign in a restaurant near army camp — Watch your coat, hat and girl friend.

The worst sin towards our fellow creatures is not to hate them but to be indifferent to them; that is the essence of inhumanity. — G. Bernard Shaw

A man can fail many times: but he isn't a failure until he begins to blame somebody else —

Clemenceau was once asked if his hatred of Germany was based on knowledge — whether he had ever been to Germany. "No, monsieur, I have not been to Germany but twice in my lifetime the Germans have been to France".

"There was something I meant to say but I have forgotten" — "Perhaps, my dear, it was Goodbye."

When G.K. Chesterton was asked the traditional question, "what single book would you take with you if you were cast away on a desert island?" he answered simply "Thomas's Guide to Practical Shipping"

Shortest letter From a tenant who had been asked to ~~leave~~ vacate to the landlord

Dear Sir,

I remain,

yours truly

Victor Hugo to his publisher to enquire how a book of his published that day was selling — "?"

Reply — "!"

William Collier the humorist, after a general & an admiral had made long speeches "Now I know what they mean by the army and the Navy for ever".

When a bright light is on one side of the moth that half of its brain & the nerves that control the muscles of the wing on that side, are affected. Hence the beat of the wing on that side is weakened and the moth inescapably turns towards the flame.

Reeves digest - April 1944.

Success is getting what you want = happiness is wanting what you get —

Siesta midday rest — from Sextus = sixth (hour)
fiesta

Lamartine raised history to the dignity of fiction - Dumas the sort of double-edged tribute for which our romantic disguisers of Clio are presumably working.

The ~~only~~ only art that counts during war is oratory.

Although I am periodically bourgeois -- I am not frightened by communism. What is communism what should it be except the religion of Christ —

It is permissible to violate history, on condition that you have a child by her — Dumas

August Maquet, his collaborator, supplied plots made rough drafts.

When people asked Dumas how he managed to produce such a never ending succession of novels, plays stories, Dumas said "Ask a plum tree how it produces plums".

He needs a long spoon that sups with the devil — parleying with tempsters is risky.

Roots in the earth.

I will not accept if nominated, I will not serve if elected — Sherman.

With the father — I cannot — tell you a lie Expression — and none bears it so becomingly as Sir John Anderson among his ministers - - - Punch.

Temper high, debate low.

Mathematician, clergyman & humorist — Charles Lutwidge Dodgson, who wrote under the name of Lewis Carroll:

Publications

1. Alice's adventures in wonderland
2. Lawn tennis tournaments
3. The true method of assigning prizes, with a proof of the fallacy of the present method
4. An elementary treatise on determinants and their application to simultaneous linear equations and algebraical geometry, [illegible] of beginners

In thousands of copies of his books he inserted a Caution, in which he disowned authorship of a story published in a magazine over his signature. He had not written it, the caution explained, he had done no more than forward it to the editor on behalf of a foreign lady. Now when [illegible] he found he had given the name of the wrong lady.

Following him like Javert tracking down his man —

# Some Spoonerisms

Excuse me, but I think you are occupying my pie (pew)
The verger will sew (ho) you to another sheet (seat).

Oh, please will nobody pat (pick up) my hiccup (hat)

To the lazy undergraduate: you have hissed (m) all my mystery (history) lectures. You have been fighting liars (fires) in the quad. In fact you have tasted (w) two whole worms (ter) and you must have Oxford this afternoon by the town (d) drain (t)

---

Honest efforts to create a progressive, decent world will be more helpful in democratising Russia than all the sugary lies told by her political friends and ~~the~~ certainly more than the vicious ~~ones~~ lies told by her enemies. — Mrs Fischer

If I cannot have four brothers I shall make do with three

An Epitaph: "I was well; I wanted to be better; and here I am"

We two old Dutchman get along splendidly —

Smuts after meeting Roosevelt

With him it's all or nothing

Had Alberoni (cardinal) been given two worlds like ours to destroy, he would have asked for a third — Frederick the Great

A good Lombard girl stuffed with butter and Parmesian cheese. —

His Holy — obscurity

Apart at Czech Soprano Jarmila Novotna: One of the few opera stars who can fill the eye as well as the year

I was knocked all of a heap by —

Dorothy Brett painter & author of "Lawrence & Brett" — I found out long ago that no matter what I do some people like it, some do not.

If he made mistakes, he definitely never apologized for one.

You can't sell democracy in an outhouse —

They can keep their money & go to hell. I will keep my self respect —

Take off your hats to the past, ~~and~~ but take ~~off~~ your coats off to ~~for~~ the future.

He wore no man's collar.

Like all spot lights, . . . attracted a swarm of moths, buzzing and beating their wings.

Had bulled against some of the most delicate china in a shop.

These were extreme words. But there was enough truth in them to hurt.

Never Explain; never apologise

Hazlitt made the traditional switch from unsuccessful artist to art-critic. Soon a host of outstanding artists were plucking his neat-basts from their thin skins.

What appealed to Shakespeare's Desdemona most was Othello's dark skin — Hazlitt.

Wherever Hazlitt went he took his politics like a mastiff, by his side.

The greatest pleasure I know is do a good act by stealth and to have it found out by accident — Lamb.

He was rather a dandy, in a loud way.

As friends & colleagues talked of this modest little man, as he never on earth would have talked of himself, a figure of almost Franciscan sweetness emerged. "If ever there was a saint on earth" said warm hearted Harry - "it was - - -"

In the second order of the world's art it is superbly first rate.

The morals of the operatives will necessarily suffer if longer absent from the wholesome discipline of factory life — an observer in defence of 12 hr day for work people.

I could carve out of a banana a judge with more back-bone than that.

to string out the obvious for the delectation of fools.

In 1935 when President called on 92 yr old

Justice Holmes he found him reading Plato. "Why do you read Plato Mr Justice?" "To improve my mind, Mr President."

has never been particularly impressed with the Assumption (of Reader's Digest) that any piece of writing can be improved by extracting every seventh word like a tooth. We have occasionally been embarassed to see our stuff after it has undergone alterations.

There are no delinquent children. There are only delinquent parents.

It takes two to make a pair —

Facts are stubborn things

I had rather have a (soldier) that knows what he fights for, and loves what he knows — Cromwell

Mae West is quite pleased that the R. A. F's called their bulky ~~like~~ life-belts "Mae Wests" in honour of the outstanding feature of her anatomy. The term has made the dictionary. Says Mae "I have been in who's who. I know what's what. But that's the

1st time Webster* has given me the call [the Dicty refer
to is not Webster: But "A Dicty of Army & Navy
"slang"]

"Well I am an old man, and old men
are not ready converts to new religions this one
does not stir my soul. — Sir Max Beerbohm.

Best Teheran Story attributed to Smuts
Churchill suggested to Stalin the possibility of the
Pope's being associated with some of the decisions
taken. "The Pope" said Stalin thoughtfully, "the Pope.
How many divisions has he?"

The order of things — Confucius
The nature " " Lucretius
"Wisdom of Confucius" (Modern Library) Edited by Lin Yutang.

Religion cannot be taught. It has to be caught —
& it must be caught from some one who is on fire —

Scientific

3 radium tubes lost from Mayo clinic and finally ~~ex~~ discovered in sewer muck See Time Dec. 13 1943. p. 22

also about Prof. Krogman's (of Chicago) identification of Scutts ibid. p. 22

~~35~~ ~~Readers~~ Sc. Digest Nov 1943 p. 21.

The human ear can hear 6 octaves above Middle C
bats " 8th & 9th " "
rats 9th

To the Russian ecclesiastic who protested that immortal men were never sentenced — "your Eminence, you have forgotten Jesus Christ"

When beggars die there are no comets seen —
Being mighty allergic to discipline
Long hair artists

Sorrow is the mere rust of the soul. Activity will clean & brighten it — Dr Johnson

I have read your speech. and find that you have used every cliché known to the English language except "Please adjust your dress before leaving" — Churchill to Eden

To be vanquished and not surrender, that is victory — Pilsudski

Scholastic appointments — "the ~~last~~ healthy little humiliations of a school masters life — Dean Vaughan

They don't know the difference between chalk & cheese

The hair goes with the hide

It is the customary fate of new truths to begin as heresies and end as superstitions — T. H. Huxley.

The tree of Liberty grew & changed & spread,
But the seed was English

I am an American bred
I have seen much to hate here — much to forgive,
But in a world where England is finished & dead,
I do not wish to live. — Alice Duer Miller.

Almighty God, for reasons best known to himself, has been pleased to burn down my house — Lord Londonderry.

Mirza Khan, a Persian, when asked by an English lady whether they did not worship the sun in Persia "Oh yes, Madam, and so did you in England too if you ever saw him."

Elements 43, 61, 85 & 87 are not likely, according to Mattauch's rule (what is the rule?), to be found in Nature = Paneth

The question whether one angel or a million angels can stand on the point of a needle, has I believe been debated.

Nothing is so hard as to give wise counsel before events; and nothing so easy as, after them to give wise reflections. Many things seem true in reason, and prove false in experience: many that are weakly ~~constructed~~ consulted, are executed with success — Sir William Temple.

Prayer of a Cato street conspirator before he was executed "Oh, God — if there be a God — save my soul — if I have a soul".

The 1st rule of all writing — that rule to wh every other is subordinate — is that the words used by the writer shall be such as most fully and precisely convey his meaning to the great body of his readers — Macaulay.

"I think too much importance may be attached to the consideration of method. The personality of the teacher is the most important thing; a good teacher will soon find the method wh in his hands will give the best results & will do better with this than with one imposed on him from outside." ——— "In my view, the most important fn of lectures is to arouse the interest of the students rather than to impart information; to make them so interested that they will get the information for themselves if they are told where to find it — J. J. Thomson.

It takes more than a white coat + a test-tube to make a scientist

The moment any of us sees that word 'scientific' let him beware. It is like those big coloured marks they put on roads to warn the motorist that he is approaching the peril of cross traffic. It is the danger signal bidding us look out for fools. — Belloc.

A bright metal that always retained its youth, innocence and beauty.

One man's wit and all men's wisdom — ~~Lord~~ John Russell

Eclipse 1st; the next northern — Capt O'Kelly

La vie est brève,
Un peu d'amour,
Un peu de rève
Et puis — bonjour. — Montenacken (Belgian)

Round and round like the ~~annual~~ diurnal revolution of the earth, went the file, stately, solemn, sure & slow; and now in due season it has completed its orbit, and I am invited to register its concluding stage — Lord Curzon's minute

File re. partition of Bengal.

If any one can show me the commandment "Thou shalt not smoke I am ready to keep it. I find 10 Cts, and it is as much as I can do to keep them. — Spurgeon.

It is the business of a Dean to break rules. Any clerk can keep them — Dean Briggs of Harvard

Honesty at the top will percolate all the way down to the people —

A new phrase "Do it the Chinese way!" has appeared It is the appropriate answer to "It can't be done".

The American President has 14 commandments: The Lord Himself had only ten — Clemenceau.

~~It~~ I got the soul of a musician, but the mind of a bumblebee

.. ~~Is~~ not only to create a fool's paradise, but to live in it —

Forgive but don't forget.

Living in luxurious sin.

Zombie (= Canadian?) demoted =

New faces & other minds. Très bien =

Comes like a draught of fresh air into the fetid atmosphere of - - - make-believe.

- - - as a student of Machiavelli dislikes ambition in his official family.

Eddington Senior partner in the firm of E & Jeans Interpreters of the Universe :—

What do we really observe? Relativity has returned one answer — we only observe relations. Quantum theory returns another answer — we only observe probabilities — Eddington

He who spits against the wind spits in his own face — Franklin

He eventually provided the silver spoon —

The times called for greatness —

Got the plum.

We could do a lot worse, and probably will.

For thy sake, tobacco, I
Would do anything but die — Ch. Lamb.

Persona gratissima

War is much too important a business to be left to the soldiers

She is quite sure that marriage & a career mix perfectly. clemenceau

R.A. Knox of Oxford has written about everything from morals to murders. Recently when he was invited to preface "The New Testament in English" K was asked "when it is published, will it say on the title page "Translated by R.A. Knox, author of 'The Viaduct Murder'?

The story is made out of whole cloth. —

A whole glass galaxy of silk hat names cast in minor roles.

I like to be circumspect in my language

Last week Britain's famed jack-of-all-sciences, J.B. Haldane, philosophically predicted a big post-war future for V-2, who he thought would rise to 200 miles if fired vertically. Mused H "It could take photographs of the sun & perhaps other heavenly bodies --. For the cost of a day of war it should be ~~possible~~ practicable to send a series of rockets round the moon and photograph its far side — Time

When European engineers dismissed his invention as incredible Tesla sailed for Manhattan & went to work ~~with~~ in Edison's laby. The two did not like it off.

Tesla who considered E a mere inventor, not a scientist quit in 1885 when E refused to pay $ 50,000 which T thought he had been promised. In 1912 T refused the Nobel prize because it was to be shared with E. Time Nov. 27 1944.

The most grandiose scheme of T = a scheme for the wireless transmission of electric power. He proposed to charge the earth with tremendous voltages, & make it "brilliant" thereby making it possible to tap electricity from any part of the globe. At his famed electrical tower in Colorado T produced a potential of 135 mill. volts (still the highest ever achieved) and claimed that he lit 200 incandescent bulbs 26 miles away with wireless power. Time loc. cit.

Because of an intense germ phobia, I never shake hands if he can help it — Twice.

For his coverage of Harvard Tercentenary in 1936 John J. O'Neill (Sc. editor of New York Herald Tribune) ~~was~~ won a Pulitzer prize

The improvising that - - - does into King's English —
The only perfect climate is bed

Sawing wood would not sound better - re Snoring
We are all used to behaving oddly, and we might as well do it in good company. —
W.H. Auden introducing himself to chinese soldiers with a visiting card phonetically inscribed "An Dung"
Novelist Isherwood (Y Hsiao Wu)
In 1937 W.H. Auden received the King's Medal for the year's best poetry.
Other British expatriates in U.S. novelists Aldous Huxley, Richard Aldington, Somerset Maugham - Philosopher Gerald Heard.

Can I learn to suffer
Without saying something ironic or funny
on suffering? I never suspected that way of truth
Was a way of silence Prospero in Tempest

"Men are we, and we must grieve when even the shade of that which once was great is passed away." ——

Slowly & uncertainly

Negligence is a poor excuse to offer for an act that is justly resented; but it is, we are sorry to say, the only one that we can plead. —— C & I

C & I cited dehydrated food & microfilm of letters (acrylics) who "sauntered Europe round" in not to complete his chemical edn.

Some people make their children wash the back of their necks to impress on them the reality of the unseen — C & I on the advantages of a heuristic education

We have travelled a long way — and are still travelling — towards what would have been considered as outrageous socialism a few years ago! —— C & I

This statement of facts, like many other truths, conceals far more than it divulges.

The chemist is made in the laboratory

He above the rest
in Shape & gesture proudly eminent — Milton

What- song the Sirens sang, or what- name Achilles assumed when he hid himself among women, tho' puzzling qns, are not- beyond all conjecture ——

Research then was all y^e hit- and miss variety.

The press then was small, virile, critical + individualistic. Tried to hitch their wagon to a star, and found that- they only managed to hitch it- to a tram (mule!)

We shd not suggest- that- any speaker shd be stopped when the allotted time has expired, but- merely that-, as in a madrigal, the next- speaker shd begin at the fixed moment- mingling his harmonious notes with the notes of one who began a little earlier & thus giving an extempore fugue or spell of clever counter-pt- that- might- be very agreable to the audience —— C + T

A well known man of Sc in London who late in the evening, after a long flow of eloquence, was called upon to propose the toast- of "The Apples of Sc" said "Gentlemen, at- this late hr in my Apple of Sc. that- seems to me to be appropriate is the apple of the Lucifer match to the ordinary bedroom candle. I must- go home + go to bed —— C + T

The Selection is.

It- is no matter of surprise that- progress is slow; it- is worthy of commendation that- progress is being made at- all.

There he sits like an inverted Mr Micawber waiting for something to turn down — quoted by C+I referring to an official

And so, hopefully and confidently, we leave them to their labours.

At- long last- he has consented to work a little more "scientifically" — a word to be used with caution when he is about-.

Lamb's young chimney sweeps & "blooming through their first- negritude ——

market- for their wares.

"A spirit in the wood" more material than Wordsworth's —
methyfact wood alcohol

Again & again one wrote his epitaph forgetting that- he was a phoenix. — C+I

"Take heed of a wind that- comes in at- a hole"

Taciturn as ever, he will not- commit- himself —

Editor asks an author to cut- down by omitting all the passages in wh his skill and literary feeling are most- conspicuous.

After more than one respect- & piteous appeal for the Ms.
most- tactful & discreet- manner.

It is said "the sting of the ~~asp~~ serpent lies in its tail; ~~this~~ is an error; one snake has a rattle in its tail: it makes noise but does ~~not~~ no damage. C+T

- - - pours out his grievance, like an old fashioned clock that runs on striking, not to tell you the time but: there is something wrong with its inside — C+T

"In order to correct tendencies in their ideas becoming narrow thro' constant contact with books"!

The very idea causes a smile, if not a jest or a jeer and we confess we have ourselves treated the topic with undue levity — Although we have not that knowledge of - - - ch we make our opinion of value, we have an opinion & propose to express it in the hope that the experts will tell us where we have gone wrong — C+T

Puts things off & commits other indiscretions ——

That peculiar fragrance which it is said, nobody not of gentle birth can detect ——

Cookery a decadent art ministering to man's inclinations to be pampered.

"Per ardua ad astra" motto of R.A.F (?!
It is only by hard work that we shall reach the stars.

Physics is becoming too difficult for the physicists — Hilbert

We must have robust faith and not believe — Claude Bernard

Ostrich-like they take refuge in the terra incognita of

"My good woman" asked the Judge "were you born in wedlock?" "No Sir, they were born in Battersea"

He has quite enough on his plate indeed — —
Everything of sensual & intellectual gratification with a great nation glories in producing —

Modern crystallographers make the wood resound, not with the beautiful amaryllis, but with as imaginary canonical bodies. —

Do you remember Leacock's story of the man who proposed to found a luncheon club & after considering the advantages of a lunch for about a dozen friends, or about 4 or 3, finally settled on a luncheon club of two with himself and a first-class waiter ——

He did not know that it couldn't be done
So he did it.

Gilbert's lyrics and Sullivan's music are imperishably good, but the mould they are set in begins to creak — Punch

Entry in the visitors' book of a hotel "Just done fourteen days here"

. . . . withdrew not only the words but himself — P.

of gains beyond (as the Victorian novelists used to say) the dreams of avarice. - P

. . . who, when she touches the ground at all, skims its surface like a ~~bo~~ ball of thistledown — P

Herzen speaking of Victorian London Life here is as boring as that of worms in a cheese.

The scarlet runner twines anti-clockwise or against the sun, unlike the hop, which has a right-handed turn. Some say this is because the bean originated South and the hop North of the Equator. They argue that the sun's movements dictated the direction of the spirals in the first instance and the plants, when transferred to the other hemisphere, cannot rid themselves of the old habits. — Punch

Elect. Scattering

Refr. index of crystals for Elect. waves. PhRev. 73, p 183. 1948.

The less one knows the less one doubts — Twain

All kinds of composition are good except the tiresome.

The South had the wolf by the ears, and could neither hold him nor let him go — Jefferson.

Hats off to the past and coats off to the future — American Proverb.

Was slow to make a beginning.

Ubiquitous Homer with his 7 places of birth.

The traffic cop to a woman who dashed in front of a car, and narrowly missed being run over — thanks to skillful driving "Madam, that is abusing the privilege of being stupid"

When I am good I am very good, but when I am bad I am better — Mae West

Queen Elizabeth to an overpresumptuous minister — "I will have here but one mistress and no master"

"Don't you know that slight is a slow poison" — "Oh, that's all right. I am in no hurry"

Sign in a store window "Fishing tickle" Noticing the error, a customer asked "Hasn't anyone told you about it before"

"yes, many have stopped in to tell me, & I say always buy something."

Then when the pencil had begun to run along the lines, the doubt was whether I should ever be able to stop it—
M.R. James.

I have made one or two shots at a book of "memories" and can not find the target— Q

His way was like other people's; he mounted no high horse; he was just a man and a citizen. He indulged in no Socratic irony. But his discourse was full of Attic grace --- Lucian's description of his prose
Demonax.
"Worm-eaten with Liberalism" — a critic referring to contemporary Socialism

On this I will laze by the hour — Q

With his magnificent carelessness — Q

"Even so, it is so" ——

We were friends enough to accept one another's silences — Q.

Fashions change, for change is dear to men —

But Swinburne was rapidly becoming less and less to us, being obviously spent as a poet, while not yet nursed and watered up to his second flowering as a critic — Q

The Oxford demigods — Plato, Aristotle, Bacon and the rest — were our major deities. — Q

Well, I have a hobby of making bets with myself upon promising authors, and among the

youngsters this is ~~any~~ the colt for my money. He has style Sir." —

He (R.L.S.) was a man who played with words as a master upon a fine instrument- writing is to learn: and with a tale forsooth he cometh unto you a tale of men and women doing things (to use the Aristotelean phrase) telling those deeds, to, in the clean objective way we were beginning to envy in the French — Q

Cannan's lectures were like nothing on earth, as the saying is —

Boring acquaintance —

We regarded those eminent ones with a graduated awe-

It also belonged to our intimacy that we never shook hands — Q -

Though his threatened treatise on the game (in 12 vols, crown 8vo) never saw the light, he communicated its first principles to a band that strove for the art rather than for "blues" — "with results equally gratifying to the parent- and to them."

To this day when I watch 2 1st class sides, some clever phase of the forward play makes me turn involuntarily to a companion who should be sitting beside me, but is not —

-- and had a mind to accept - if I were willing to help -

He never engaged in any business, whether of work or play, without an instant and insistent sense of perfection — Q about Cannan

And now you and I, Sir, may assuage ourselves for a supreme effort in English composition —

I shd be sorry to say at a guess how many experts were conjured in from the Broad (wh that afternoon unexpectedly teemed with part-masters of Gibbonian prose,) or recount how economically each was tapped for a felicitous phrase, and thereupon dismissed.

Powell confided to me that Cannan was going to make the Clarendon Press 'what it ought to be: the first Press in the World.' 'There was only one danger, and he will overcome it. He is learning to "suffer fools gladly"'

A fool — and he could scent one from afar — was too fatally meat and drink to him.

If he made another apology or bound up the wound of another bite —

If I were a party in any dispute, and the quarrel were submitted to C and he gave judgment against me — why then, however sure of my cause bel I shd have to tell myself that

Our feats, ~~would~~ of course, will not compare with the dizzy achievements of today's experts in rock-work. But we 'did' a few things to our own considerable satisfaction — or ... . Q.

& then to sleep to the sound of many waterfalls near and distant —

I had scandalously neglected --

Too long ..... have been, to use an Americanism "passing the buck" to each other.

I respect faith; but doubt is what gets you an education.

Harvard college pays me for doing what I would gladly pay it for allowing me to do.

The greatest pleasure I know is to do a good action by stealth and to have it found out by accident. — Charles Lamb

It is a very odd thing —
As odd as can be
That whatever Miss T. eats
Turns into Miss T — Walter de la Mare

I believe in an ultimate decency of things.

A man telephoning a friend at 2 in the morning "I do hope I haven't disturbed you". "Oh not, that is quite alright. I had to get up to answer the telephone anyway".

A disciple once asked Socrates whether it was better to marry or not to marry

"Whichever you do, you will regret it"

my nobility begins with me, yours ends with you.

Does a man on his wedding day worry his head about how he is going to get a divorce.

Their eyes drew swords.

Pointing to the courthouse:
"That is the place where they dispense with justice"

---

Sir James Barrie's favourite story was about the Professor ~~of~~ of biology who explained to his class the spawning of fish. "So you see" he concluded "the female fish deposits her eggs, the male fish comes along and fertilizes them, and later the little fish are hatched.

One of the girls held up her hand. "You mean professor that the father and mother fish — that they — that before that nothing happens?"

"Nothing", said the Professor "which doubtless explains the expression "Poor fish".

---

"My best friend ran away with my wife. They have been gone a month — and I miss him!"

---

A pouting sweater girl, with a luscious pair of legs

---

The fourth <u>termite</u> :— President

---

She prefers the night-shift because she doesn't have to get up in the morning

---

Pale esthete | With the face of a goddess and the brain of a canary

---

With me a change of trouble is as good as a vacation — Lloyd George.

---

1. Eat it up 2. Wear it out 3. Make it do 4. Do without

Vol VI

The British have one singular virtue beyond any other nation: they are always willing to go on —

Most folks are about as happy as they make up their minds to be — Lincoln.

A member of Parliament who has been in the House with Horatio Bottomley visited Maidstone Prison one day, and came upon B stitching mailbags. "Sewing?" he asked. "Reaping" B replied — P.

Intelligence has reached his war office — It is said to think that theatrical performances are descending to the level of parliamentary debates.

Prophet = one who speaks for, or in the name of, another

He always looked the part —

He had the unique gift of combining sympathy with impartiality in his judgment of what he knew.

Has versimilitude rather than reality.

The author did not live to take his bow —

His wit came out more strongly in his conversation than in his writings — T

With the nervous apprehension of a maiden aunt — T

With that capacity for rudeness which often distinguishes a squabbling scholar — T

The artful dodger —

They were too much preoccupied with what they were saying to pay due attention to what they were hearing — T

He makes no attempt to ... stick him on the pin of a prejudice and turn him about for us to see how he looks — T.

Every one is good at bottom — T

The ease with which the author handles a large cast — while keeping our attention on the central figure, is admirable — T

Picturesque biographies in which the authors give away in the first few pages how the completed portrait is going to look, and spend the rest of the book proving that their forecast was right — T

Let the English alone — they bite — T

— Very much resemble a newspaper, which consists of just the same number of words whether there be any news in it or not — T.

As I am in reality the founder of a new province of writing, so I am at liberty to make what laws I please therein — Fielding

Better be coarse than superfine — Saintsbury

He believed the sins of the heart were deeper than the sins of the flesh — T

We can not judge a writer by the work he has not done — T

Fielding had only to shake his sleeve, and characters tumbled out abundantly — T

Great vices are the proper objects of our detestation, smaller faults of our pity — T

In his (Tom Jones's) daily behaviour, with all its ups and downs, and for all its lapses into drink, fondness for the table, and some more indelicate affairs of early days into which his enormous vitality (plus good looks and good temper) enticed him, we find a man of ~~[illegible]~~ large-hearted sympathy for human frailty and foible, and a detestation of vanity, affectation and unkindness — T

Our immortal Fielding —

To behave well to your fellows without thought of reward, here or hereafter, was all he (F) knew of morality, and all he cared to know; this alone was truth and beauty — T.

It is a precious gift, but a gift for which we have to pay — T

The book shows the complacency bored of large majorities — T

... has been unable to resist the temptation to jump every fence — T

what [coming from another man] might have been merely small beer [is rare wine — T

... has stood out with a formidable individuality among contemporary English critics. The tone, the method of criticism, in our time, are cautious, tentative and accommodating. Mr. ... is none of these things. He takes his stand. It is usual in our day to consider a work of art within some elaborate context as an example of some tendency; sometimes the tendency appears to have been postulated to frame the example. — T

... This has led, particularly among some younger critics, to a fear of enthusiasm. Cambridge has trained them above all, "to hint a fault and hesitate dislike." — T

Opinions which are perhaps defensible are not in fact defended. They are asserted in a provocative way, and if the reader could interrupt he could be provoking too —

Thackeray once remarked that if two dukes would escort him along Pall Mall he would jump out of his skin for joy. Today — a century later — most people might ~~load~~ bowl through clubland, with a duke on either arm, without any particular risk to their skins — T

. . . . will avoid giving the impression that all was "goody-goody" — T

The British Association was once referred to by a Victorian weekly journal # as a body which existed to encourage the public to watch "monkeys flirting" and elephants washing on Sundays — T

If Fun is good, Truth is still better, and Love best of all — Thackeray.

His talent remained undisciplined, save by one influence: his conversion, in 1909, to Roman Catholicism — T

Save us from hotheads that would lead us to act foolishly, and from cold feet that ~~would~~ would keep us from acting at all:—

I intended to give you some advice, but now I remember how much is left over from last year unused—

Prest. Amherst College.

She'd be more spic if she had less span—

Lots of people spend time making money and then spend money killing time —

Coup d'etat (Koo day tah') = Stroke of state.

Saunter from Sainte Terre = Holy Land

To distil from contemporary memoirs the nature of so indefinable a quality as charm is as difficult — a task as that of attempting by means of verbal description, to evoke the bouquet of some noble but long since perished vintage which once delighted the palates of our great-grandparents — T.

--- does not make the mistake of writing in an ironic or nostalgic vein about social values which time has out-moded. — T

was brimming over with joie de vivre

In the harsh language of our time

--- might be described as a "super-spiv."

The restaurant is in the hat

He sprang a large-sized mine when he mentioned.

It is not — improbability of incident, but — of improbability of character that matters — Hardy

To league with love not hatred was I born — Antigone citizenen of a victorious state in one of Sophocles' dramas.

Those who would have dared to speak up are silent for ever.

May you live all the days of your life — Swift.

The pleasures of the senses pass quickly; those of the heart become sorrows; but those of the mind are with us even to the end of our journey — Spanish proverb

Don't you see that—
She is much too old to have a daughter as young as that; she is his wife.

Whatever isn't growing wears out—
You are educated if you can do what you ought, whether you want to do it or not— Herbert Spencer.

Turnups ~~Leg~~ (English) : Cuffs (American) in trousers —

Vermiculite = an alteration of mica, an inert, featherweight, resilient non-metallic mineral.

As tough as hickory.

"If seven maids with seven mops
Swept it for half a year
Do you suppose" the Walrus said
"That they could get it clear"

Gives the impression ~~of~~ the old lady had when she read the dictionary — "Somewhat disconnected, though very interesting"

Written in the simple language of the Prayer Book of Edward VI —

An old science revitalized.

Where the busy sounds of labour
Rise, the best of human incense
To the Throne of the Creator —

The cause is certainly a good one. Briefly his thesis is :- - - - - can be done, and must be done. The question before us at the moment is this. How far will this volume help to spread the gospel? It is difficult to be sure. If something, however rational and desirable in itself, is said too much, ~~and~~ too often, and a little too loudly, a boomerang action sets in, and the reader's sympathy, if not lost, is perceptibly reduced — Rawlins.

For out of olde feldes, as men seith
Cometh all this newe corn fro yeer to yere;
And out of olde bokes, in good feith
Cometh all this new science that men lere.
Chaucer.

Physics is too diverse to be caught in a net of so coarse a weave
Wars as physical facts can not be stopped 'by definition' — T

At this point it will be obvious that the mere lawyer has reached the limit of what he can usefully say — T.

The ground has long been cultivated and does not easily yield new fruits — T

I have often noticed in Greek scholars a real dislike ~~to~~ of the Etruscans, which I do not share — Beazley.

There is no comradeship except through union in the same high effort. — T.

The headship of a college is a pinnacle to which even a Regius Professor will look up. It must not become a stepping-stone. All pinnacles and stepping-stones different sorts of men arrive — T.

For long the star of the cuñadísimo, or 'Supreme brother-in-law' as he had been nicknamed had been in the ascendent — T.

Like the character in one of Miss Gracie Fields's songs "he's dead, but he won't lie down." — T

He appears to have been "positioning" with a view to a return to power in a changed world — T.

macassar = hair oil

antimacassar = protective or ornamental covering for chair back.

In the public squares of Ottawa there are notices carrying the single word or injunction PLEASE.

naughty sounding "rues" into ~~boring~~ honest "streets"

Ottawa is so pure, or 'square' as the Americans say, that butter wouldn't melt in its mouth.

Handle to one's name = title.

Neither intellectually, nor strategically, was he a match to — T

Our age has been fortunate not less in their example as in their achievement.

T

those who profess — often for their advantage — to see the errors of their former ways — T.

It has often been suggested that the mantle of German Scholarship has fallen on a new generation of American, or Americanized, scholars —

While he never forgets he is a patriotic ----, he instinctively avoids those crudities of thought- and expression which too often mar the work of "nationalist" writers of every land — T.

He had lived to criticize the views and laugh at the nonsense of three generations —

To what- am I to attribute this very unexpected pleasure? —

To the democratic mind leadership is tolerable only when it- is based on admiration for the leader's qualities as distinct- from respect- for his station — T

An intelligentia which has lost- the power of ~~persuasion~~ communication is the raw material of a bureaucracy. It- governs by force because it- despairs of persuasion — T.

It is unconvincing biology to father spawn of nineteen forties or writers who died half a century ago — T

The reviewer follows the example of the apocryphal Irish judge who said in his summing up that it- was his aim to preserve a strict- balance between partiality and impartiality — T.

~~It~~ There is not even diplomatic immunity against bad weather — T.

Dr Johnson denounced the folly of naturalizing useless foreigners to the injury of the natives — referring to foreign words in English.

The vendor of ~~and~~ even such as delicate commodity as literature has to consider the demands of his customers as well as of his Muse — T.

It is a pleasant distinction for a man to have been praised by Shelley in his youth and by Thackeray ~~in~~ his old age. — T

He is an admirable commentator, interested, sympathetic, with a balanced judgment, and the ability to see the shape of the wood in front of him, in spite of so many trees — T.

Man is a moral creature, who needs for his health and mental balance a creed and a purpose — T.

Applied science produces improvements: Pure science produces revolutions.

J. J. quoted by Bledsoe

No one can be a great thinker who does not recognize that as a thinker it is his duty to follow his intellect to whatever conclusions it may lead — Mill.

Textual criticism is for the expert Latinist; and into that den of lions there is at least one Daniel who will never venture —
— Noyes.

His retreat, his Ivory Tower —

Accept- whole, without- reservations and regrets.

cet âge est sans pitié - La Fontaine.

It was an unbearable climb-down.

Hold it- up to the light and "Shaw's spear" - shown in the water-mark.

The personality of the teacher is the most- important thing; a good teacher will soon find the method which in his hands will give the best- results. — J.J. Thomson.

The most- important function of lectures is to arouse interest in the students rather than to impart information; to make them so interested that- they will get the information for themselves if they are told where to find it- — J.J. Thomson.

It- is what- the child learns that- matters, not what the teachers teach —
Brearley in "Knotted String"

The true success of teaching is not- whether children are able to answer questions set- by others, but- whether they are eager to answer questions set- by themselves —

As they say in the R.A.F, there's no future in it —

The accomplished humanity the easy style, and gentlemanly and scholarlike sense of Montaigne. These we consider in a great measure English — Hazlitt

I am sure his genius is English —

Montaigne is the earliest classical in the French language, — the first whom a gentleman is ashamed not to have read — Hallam.

The great merit of Montaigne was that he may be said to have been the first man who had the courage ~~as as~~ to say as an author what he felt as a man —

Thackeray was a great ~~act~~ social reformer, not a noisy one like Carlyle, but rather one after the manner of Montaigne —

He is made to disport himself before the reader —

~~As fancy prompts~~ —

Montaigne's unfailing charm arises from a readiness to sip every flower, to taste here and there, and, as fancy prompts, either to touch an object lightly, or in his own words to press it to the bone — Times L.S.

His language is supple and leaping.

Indeed far from being a sceptic, he is omni-credulous.

As Pascal says, "ce que Montaigne a de bon ne peut être acquis que difficilement" That "ce que Montaigne a de bon" it is doubtful if any English writer has acquired from him. The "bon" has not been exported.
— T.L. Suppl.

Who can be interesting without trying to be sensational, and sympathetic without falling into adulation —

The term 'Internationalism has become a modern 'Abracadabra', like the term 'Evolution' 30 years ago, which came to the lips of a man when he reached the limits of his intelligence on any subject. — Demant.

The book has the same sort of effect on a browsing reader as going to look up some question in an encyclopaedia — or indeed the effect on an intemperate cook of starting to eat raisins —

Crashing heartily through such paternal cautions — TLS

All the learning in the world is not judgment. — Goethe

One thing is certain — to-day good books are being ousted by books about books — TLS.

'Remember' said that great and wise man Elie Halévy, 'that the ~~ho~~ homoge that vice pays to virtue is a real homage. Many a man gets good habits from the practice of hypocricy".

These eternal winnings on perfect wickets spoil Test Cricket — Harris

It was not that they bowled badly, but they did not bowl well enough — Harris.

Like a tailor trying a boy's suit on an elephant — T.L.S.

Neville Cardus describes Charles Macartney the Australian batsman as the Figaro of cricket — not Mozart's but the ~~do~~ drier-minded one of Rossini —

This is surely in Sterne's phrase to halve the matter amicably — TLS.

"These are our troubles Mr Wesley" as the pampered gentleman said when the footman put too much coal on the fire. TLS

Had natural gifts worth more to any child than a round dozen of silver spoons — TLS.

His bountiful Aunt Beatrice "a great and original girl", frankly, and his mother, more discreetly "joined the oldest of professions" T.L.S

Nature is logical, and congruous with our minds
— Heraclitus.

For an extreme relativist today mathematical convenience decides between heliocentrism and geocentrism

Return rejoicing to the free air and the wide horizons of science. — Dale.

In defence of science in its full integrity — Dale

The heart has its reasons that the reason knows not of — Pascal.

It is impossible not to come across at least one Dane wherever you may be in this world, and must presume that they have managed to squeeze their way into both divisions of the next — Mielche

The roto is a product of a charming country's exhuberant nature. He is Chile's beloved vagabond, but not a vagabond by nature. He does not roam out into the highways and by-ways; he does not roam at all, and only moves when it is absolutely essential and then only from one too sunny spot on the pavement to another with a little more shade — Mielche.

made one of those discoveries of which ... 's dream —

Her faith in the Italian genius permits her to hope for a synthesis, born of Machiavellian intellect and Franciscan spirit which may create a modern Italian state — T. L. S.

Most of them sooner ~~of~~ or later take as their theme the figure Mr Cyril Connolly has well called 'Petrouchka' the young man trying "to keep alive and to have a successful love affair", whose adventures are set against a background of parties and night-clubs (more or less Bohemian, more or less smart, according to the author's taste) — a hero who strays to English countryside, the shores of the Baltic, or sometimes even farther afield T.L.S.

Born old, died young — Title of a novel.

"Then Lamb + Keats agreed that Newton had destroyed all the poetry of the rainbow by reducing it to its prismatic colours" Following this decision the company [at the immortal dinner of the poets ~~at~~ in Haydon's painting room] drank "Newton's health, and confusion to mathematics" — T.L.S.

Had a ~~different~~ pair of scales when Newton was considered — T L S

is no less praiseworthy for literary excellence than for easy steering through the subtleties of scientific speculation —

In one place Andrade likens the 3rd Book of Principia to the third movement of a supreme symphony; in another the queries appended to the Optics remind him "somewhat of Beethoven's last quartets" T.L.S.

Swift could dismiss the theory of gravitation as merely an addition to the pretty parlour games of thought, which have their fashion and pass — TLS

Among the masterpieces of Lear
The Owl and the pussy-cat-
The Jumblies
The nut-cracker and the sugar tongs
The Table and the chair
The pobble who had no toes.

Montaigne's essays.

Rt. Hon. Viscount- Samuel: A Book of Quotations
Cresset- Press 15/-
A.W. Haslett. Science in transition (Christopher Johnson
10/6
what is the journal Science Today

Alan Jarvis: The things we see, indoors and out
Penguin 3/6.

Uncle Tom's Cabin
Tocqueville Democracy in America?

Camb Univ Press. { A Biographical Study of Q. By F. Brittain 15/-
The Growth of Physical Science: By Sir James Jeans 12/6.

1

King Nebuchadnezzar was turned out to grass
With oxen, horses, and the savage ass;
The King surveyed the unaccustomed fare
With an enquiring but disdainful air,
And murmured, as he cropped the unwonted food
'It may be wholesome, but it is not good'

Goldwin Smith.

Take care of the mixed diet, and the
vitamins will take care of themselves —

Beetle, don't be so filthy technical — Kipling

The world consists not only of electrons and
radiations, but also of souls and
aspirations. Beauty and holiness are
as much aspects of nature as energy
and matter — Genl. Smuts.

During the war people began to
say that modern science taught us,
just as it was said in the past
that the church taught us — Lord Lindsay

Text-books of science, in the mind
of the discerning critic, usually fall
rapidly into one or other of two groups,
the helpful and the impressive,
according as the author's outlook is
directed mainly to the reader's progress
or towards the enhancement of his
own reputation — F. C. Phillips in
his preface to his "An Introduction to Crystallography"

Radiating rusticity from every pore
of his skin —

There is no problem ~~which~~ the human reason can propound which the human reason can not reason out —

It represents an idea which is out of focus —

which makes freedom not merely desirable but a first essential —

It is not the life of Knowledge, not even if it includes all the Sciences, that creates happiness and well-being, but a single branch of Knowledge — the science of good and evil — Plato.

Within a totalitarian or purely utilitarian society, the Univ. can only lose its soul or figure for it — Miss Emmet.

Überall zeigt sich als alteingewurzelt Tradition, Reichtum, Macht; und das wirkt mehr als alle Reden — H. Kayser.

Some wit began to talk of the latest 'Physical Preview'

What we think, or what we know, or what we believe, is in the end of little consequence. The only thing of consequence is what we do — Ruskin

No man is worth his salt who is not ready at all times to risk his body, to risk his well-being, to risk his life in a great cause.

A certain author of the last century who honored his thoughts by calling them the "companions of my solitude" — T. G. Rawlins.

Franz Exner, the grand old man of Science lovingly referred to as "Väterchen"

The Scotsman's remark to a lady who had been praising the English:

"But hae ye ever been able to get one of them into ~~a~~ a metapheesical argument~~s~~?"

I number French among the languages in which I am at home, head-waiter. But why a Hungarian eating-house in the heart of England should print its slender tariff in the French tongue is beyond my comprehension. Have you no menu written in King's plain English? — Abbie.

Surely the English are reticent, given to shyness and understatement, shrinking from scenes, and the lime-light, whereas Abbie is seldom happy unless she is the centre of a scene, the more dramatic and outrageous the better.

Like Mr de Valera who knew what Ireland wanted when he looked into his own heart.

An occupation for which he had no training, no talent and no taste — Times

~~wh~~ With a ferro-concrete mind about religion and respectability — Times.

Worth printing but not worth reprinting — Wells about some of his earlier books

A wanderer but no vagabond — Times

For one thing Casanova paraded stark naked, but Harris has only holes in his trousers — Times.

One never steps twice in the same stream. —

An honest god's the noblest creation of man — Butler's parady of Pope's.

Scientific genius consists largely in the ability to pounce upon something fundamental and to follow it up relentlessly, consigning the rest to limbo. Indeed this is the way to the eternal verities, philosophic and otherwise. —

Chem. & Ind. refers to the President quoting "the opening words of the most famous work of the most ancient civilized nation in the world,

which work is it?

"Is not the constant pursuit of learning a delight, and is it not a joy when kindred spirits come from distant lands?

"Living on leavings" referring to byproducts.

$W^2$ (Watson's and Whittaker) Modern Analysis

2 J Prof & Mrs Jeffreys's Methods of Mathematical Physics

Science provides not only a mental discipline, but an adventure and an aesthetic experience —

As for the Continent, that "redundant nuisance, what worlds of worry would have been quite eliminated if only Adam had been an Englishman"! A. P. H.

It is the customary fate of new truths to begin as heresies and end as superstitions — T. H. Huxley

Unless we are careful we shall organize genius out of existence — Whitehead.

Modern thought was not introduced in the educational curriculum, but merely modern technique. — Whitehead

The function of the study of a subject is not so much to produce knowledge as to form habits — W.

The main structure of successful education is formed out of the accurate accomplishment of a succession of detailed tasks — W.

A forefront fighter in Devil's battles

A heavy moustache which fell over his lips in a black cascade — Powell in Guy Livingstone

The best place in which to hide a leaf is a forest

which made him feel as if his head was a hive full of bees about to swarm — Punch.

Cursed with private means —

The Crompton mule = the spinning mule invented by C.

If there is righteousness in the heart there will be beauty in the character, there will be harmony in the home, If there is harmony in the home, there will be order in the nation. If there is order in the nation there will be peace in the world — chinese proverb.

If there be beauty in the character

Manners are the happy ways of doing things — Emerson

Scientific workers of the front rank are usually men of wide interests and cultural attainments — Leonard Jones.

The object of the University course should be to train a student in certain fundamental mental disciplines — Sir Lawrence Bragg

Atom project = DSM Development of substitute metals

Atoms = Tops

Bomb = Boat

Under cover corps = the creeps.

Alsos = Greek for grove (after General Leslie R Groves :)

Niels Bohr = Nicholas Baker

Enrico Fermi = Henri Farmer

A.H. Compton = A. H. Comus

Wigner = Wagner

His name is as surely Wagner as mine is Farmer —

600,000 people employed on the Manhattan project at ~~some time~~ one time or another —

General Leslie R Groves in charge of secrecy ~~arrangement~~ campaign. Undercover corps called the creeps: Many military officers in civvies joined ostensibly for research

Dont be a blaboteur

Oakridge in Tennessee

Los Alamos in New Mexico

Hanford in Washington

Canadian Chalk River plant

Chicago Laboratories.

First information re German work from news of their speeding production of Heavy Water at Vemork Plant in Norway. Norwegian Commandos landed by air wrecked portions of the works & destroyed a large amount of heavy water: Plant was also bombed ~~repeat~~ target for American Germans tried to remove ~~[illegible]~~ what heavy water was left by ship — the Norwegian agents blew up.

Nazi's had seized the U refining plant near Antwerp, but Belgian underground saw to it that U shipments went astray.

American censorship intercepted a letter to South America whose writer was working in a research lab. lettered D: post-marked Hechingen, 3 months north of Bisingen in Hohenzollern area of Southern Germany — near wh Heisenberg, according to reports, was then found to be living. In a deep tunnel in the ~~f~~ mountainside found later their "pile" the Germans could not produce Plutonium through U-235 cd not be separated from U-238.

It was found that at the age of 35, 50% of the men were no longer engaged primarily in technical work, while at the age of 45 the proportion has risen to more than 75%. —
Sir Arthur Fleming

Ideals are more readily caught than taught.
Judgment involves experience and the capacity to profit by experience. Leadership involves self-confidence, and the ability to inspire others —
Sir John Lennard-Jones

There was a tendency to skate round the fundamental issues, and Prof Bartlett's challenge to consider the type of man we want to turn out from the Universities was unanswered — R.E. Mclean

Newton changed the R.S. meeting day from Wednesday (to Thursday) because W was the Mint's day for paying out coin —

One might as well argue that the tides are caused by the moon! —

King James I (of England) described tobacco "as loathsome to the eye, harmful to the brain, and dangerous to the lungs; and in the black stinking fume thereof nearest resembling the horrible Stygian smoke of the pit which is bottomless" —

Steinmetz once said to the head of the I.G. "Bosch, I know you can make indigo cheaper than God, you may some day make rubber cheaper than God, but you will never make cellulose cheaper than God"

While you stand deliberating which book your son shall read first, another boy has read both: read anything five hours a day and you will soon be learned: —
Sam. Johnson.

The late Principal J. D. Forbes was a man not slow to anger. He was so sensitive as to his fame, and so eager to secure it- that honest- criticism was regarded by him in the light of personal attack — Tyndall

I have heard Prof Tait- described as a rude overgrown schoolboy — Tyndall.

This tract (Hardy & Rogosinski's on Fourier Series) cannot fail to be of inestimable value, particularly as a 'curtain raiser' to Zygmund's standard treatise — Nature.

"What you have got" says Idaho "is statistics, green in one of O. Henry's stories" is statistics, the lowest grade of information that exists — Nature.

No Scientific subject had ever aroused quite the same mixture of hopes and fears (as ~~at~~ nuclear fission) — Appleton.

False eloquence like the prismatic glass — Pope

God is not a mathematical diagram — Blake

The word 'scientist' first used in 1840 or so.

My design in this Book (Opticks) is not to explain the properties of light by hypotheses, but to propose and prove them by reason and experiments — Newton.

Beating of swords into ploughshares is only a part of the problem — Sumner

'A modern biologist in the disguise of a mediaeval artist' — of Leonardo da Vinci.

... in which

~~Only~~ / Not- editorial conscience, but- only editorial dignity was touched — T

But- within a month he fell by the roadside — T

A veritable mine — not perhaps of spectacular strikes ± — but- of rich and reliable output — T.

History is but- the story of the great- men who make it- — Carlyle

whose urbanity masked an iron will — T

As examples of the deeply wounding quality of Lloyd George's wit- Sir Arthur Salter mentions his description of Northcliffe having "a mind like a grasshopper", or of Lord Simon "sitting on the fence till the iron entered into his soul"

Part of his greatness lay in the quality of his defects — T

The greatest temptation assailing public men was "to cease to listen" — Lloyd George.

Oh if we had such a leader —

He made the mistake of every political novice in treating all questioners as hecklers — T

the spinsterish spite with which — T

"which resemble nothing more righteously indignant than milk coming to the boil" — T

The type of mind, firm-based on scholarship but- venturing far out into a realm of large hopes and new ideas which buttressed the liberal party in its heyday.

the capacious intellect- — T

With a generosity which was unusual, and therefore striking —

Tradition is "digested experience" — Powys

The emphasis is more on the playing than on the winning-

Punch

"Fitness for purpose"

The finest social dynamite is humour —

Marked by the exaggeration and false sentiment inseparable from cults —

Typically English in his dislike of abstract ideas —

In his youth he defended everything which he later attacked —

The stories he told were much better than the books he wrote —

just as he begins to soar, he is brought to Earth by... —

It pays in character, and possibly in attainment to have the odds against you.

Has swollen to quite immoderate proportions —

With a vigorous style which is at its most trenchant when he is attacking anything or anyone who is out of favour —

Consoles himself with the reflection that Churchill was unheeded too —

Besides Stars who have won no fame —

The foundling that had appeared so unexpectedly on his doorstep —

Before the house had time to work out the relevence of this, ~~he~~ he added... —

Had the same Savile Row air

Members of the House of Commons always refer to the House of Lords as 'another place' and vice versa... there is some taboo on the straightforward use of the words H of L or H of C. — like words the use of which is avoided in polite mixed society — A. P. H

As the monkey said to the Bishops 'I can't say fairer than that — A. P. H

It is no longer possible to read Paradise Lost without being "uneasy, that as at something wrong deep down" — T

We must take the rough with the smooth from — — — T.

It is just as well to know your job. — Henry James.

After having been — — — he changed sides at the right time — T.

Enfin, il faut vivre

Je n'en vois pas la nécessité — Talleyrand

He (Ruskin) was famously able to contradict himself, and he accepted the knack as essential to his arriving at truth — T.

A man might be its exponent without a hope of kindling its light in later generations. but Ruskin had his qualifications in full — T

I went to some pains to avoid discussing the question which your reviewer begs — T

It is a common experience that a chance incident, a slant of sunshine, a shower of rain, a phrase of music, will bring back vividly a moment of childhood when the mind became exultant, expectant of things inexplicable — T.

Cosmic impiety — Russell

Mr Cecil Gray is the Old Father William of musical criticism: he really prefers to stand on his head and likes the view of the world obtained from that posture: His favourite formula was "so far from such and such (the accepted view) being the case — the precise opposite is nearer the truth" — T

— As an observer on his fellows he is capable of serious thought and has much to say that other thoughtful people will care to ponder, but in the other position — —

His intentions, ~~as~~ were, as the Victorians used to say, strictly honourable. — T.

from the secure eminence of a large private income

New England is quite as large a lump of earth as my heart can really take in — Hawthorne.

The Lowells, as everyone knows, were Brahmin of the Brahmins in Boston's great days, when, as the New York gibe put it, "you had to pass an examination before entering." — T

New England apples are sour as New England spinsters :- T

The time must be near at hand when Shakespearian criticism will be destroyed by cumulative weight. It will join the tragedies of the overlain — T

.. begs the question — several questions — T

Passionate determination to be independent of every opinion but that of instructed public opinion — T.

The past is in us, and with us, in the pattern of our lives, in habits and reactions, and in dim traditions — an incalculable force and an uncertain guide. Habits long survive, while their meaning and intial purpose are quickly forgotten : — T.

It is Hamlet with the Prince mostly in the wings, or off the stage — T

A correspondent should listen to all prominent politicians and attach himself to none; he should always be in the orchestra stalls, but never jump on the stage — T.

To Kick her (England) into friendliness — T

There was, in Germany an intense jealousy of the British Empire "because it was great and was British" — T

Which will take us in tow — T

Watching every sign of the heavens here — T

Soon became less adivsory and more supervisory in character — T

A machine-made thing can never be a work of art.

All the right ingredients are there, but somehow they don't "jell" —

A sort of Stan Laurel, a complete figure of fun played for laughs —

With an apprehensive eye on the grammarians —

Altogether, apart from her being rather heavy on the tea-ration, she is a jewel —

My sartorial double —

Was at his debating best, which is saying a whole lot —

And so, for all one knows, would many other of these tales collapse if any one was about who happened to know —

With merits in detail which fail to add up to a satisfactory sum —

His crisp character is out of step with the play —

Having more money than sense.

Some of them, even, suggested (as did the unsuccessful angler of his worm) that the Chancellor was not trying

Freedom is freedom, and that, traditionally, includes the right to be wrong —

Delicately rubbing handful of salt into the wound thus made, hazarded the opinion ---

I don't think --- has ever been better, which is saying a great deal.

The movements of her hands, like flowers growing on a stem, are living poetry —

Child's three-wheeled bicycle —

Underlines, but never heavily —

As an, anonymous writer found out long ago about people who pass through life without great achievements, or unsullied by great crimes, "there is no more to be said" — TLS.

All intermingling with one another like the various ingredients of an Irish stew — T

Going from town to country (in Sweden) is really no more than stepping from the door of your house into the garden — T.

The delicate, the reticent memories were his — Meynell.

No rhetoric, please, no flourishes —

.. in good order and perfect syntax — Meynell

Amiable fallacies —

"Mexican archaeology is all guesser's ground" wrote Dane Chandos. No doubt his tongue was partly in his cheek, but so much remains to be discovered in this field, that his paradox may almost be accepted — T.

Appears to have sprung into being, fully armed like Minerva, somewhere in . . T

An ambassador is an honest man sent to lie abroad for the commonwealth — Sir Henry Wotton

Enjoyed a <u>succès de scandale</u> — T

who was temperamentally incapable of bending his knee to any orthodoxy — T

Forel wittily describes Renan as one of those French writers — he also counts Molière and Racine among them — who have eschewed profundity for fear of being excluded from the salons of their female admirers — T.

The end is nothing. The movement is all — T.

To draw out the soul of things with a syllogism is as impossible as to draw out Leviathan with a hook — T.

In pursuing gadgets we run away from life — T

Complaint against a diarist " is heard not overheard " (Distinction is Matthew Arnold's in a different context)

The feeling of truth and Knowledge discovered but not imparted — T

All the old statues of Victory have wings; but grief has no wings. She is the unwelcome logger that squats on the hearthstone between us and the fire, and will not move or be dislodged — T

No more appropriate honour could have been conferred on him than the Knighthood that he received in 1910. Consciously or unconsciously he was actuated all his life by the principles of Knighthood as they had been laid down by mediæval theorists — T

--- have leavened their criticism of the parts with an affection for the whole — T

Its most outspoken exponents have commonly worn their prejudices, if any, on their sleeves, while the most telling thrusts lose nothing of the impact, while gaining much of effect, by their general freedom from bile — T

-- under whose scalpel we are here laid open. It is a melancholy as well as a painful discovery that it is a poisoned scalpel — T

Left behind him the most important item of a critics equipment — his open mind — T

His voice needed a little lubrication — P

The wittiest and the most ironically provocative — P

Not guns, but butter, must be the weapon of members in future — P.

There were cheers from the Conservative benches (when the new Conservative member took his seat) but the Labour members considered them too genteel and roared a sort of supplementary cheer to the Tory basic. the member accepted the unearned increment with good-humoured grace. — P

His motion was designed as a red light warning newspapers and any one else that there was danger along the line — P.

Say not the struggle naught availeth —

There are no doubt a few fanatics for whom the presence of Bing Crosby is regrettable as spoiling the distinctive flavour of the main dish (Bob Hope) (in Road to Rio) —

One of my favourite characters in fiction is Sir Joseph Bowley of "the Chimes". He had his faults, like the rest of us, but I admire greatly his habit of settling all his bills on New year's Eve so that he could go into January, like the village blacksmith, owing not any man. Personaly I can not quite manage to reach the same standard. — P.

As soon as the eagr feet touch the cobblestones of France — T

...'s Olympian attitude accords ill with his myopia — T

-- suffers from having been written fifteen years ago. — T

Many of them, through laziness or lack of thought, have presented every British interest as identical with British moral rights, an identification which not only makes nonsense of international law, but is the affirmation of Thrasymachian ethics — T

. the very British preoccupation with right conduct — T.

preferred her clever young men unattached — T

To read - - . is to float on a gently rising tide of nostalgia — T

- - - - flashed with the bright hard colours of a bird of paradise — T

Was ever dancing on a dangerous edge — T

She showered it- glittering profusion, but never let it be forgotten that hers was the hand that scattered largesse — T

An essay in remembered felicities — T

A chapter of the past which few still cherish as having been among les douceurs de la vie — T

. . how pathetically grateful he was for any recognition of his poetic gifts — T

Fame was denied him although he was conscious of his own gifts — T

In Puritan times bathing was regarded as distinctly immoral, and in the 16th century a Cambridge undergraduate found bathing ~~the~~ a was liable to a double flogging — T

At Blackpool, if a man went down to the beach at the time set apart for ladies to bathe he was fined a bottle of wine. - - . Elderly roués got round the segregation of sexes by a judicious use of the telescope — T

the desire to be "cock of one's own dunghill" is still the biggest incentive to efficient administra

in Lear's words, "a child of spleen" — T

... as uncalled for as a trip-hammer to swat a fly — T.

So, like the Pope's mule, he saves up his parting kick, and lets them have it — T.

He lives on such familiar terms with his subject that he can afford to treat it with a certain friendly disrespect — N.

In these times when a scientific ~~writer~~ author must write with one eye on the reader and the other on the police .. — N

This hankering after a society "scientifically" controlled is merely a revival of the old dreams of Platonic guardians or H.G. Wells' "Samurai". N

This dream is often given a local habitation and a name in USSR

In the Soviet Union, men of science are privileged people — like ballet dancers — N.

The Prussian army was once described by an optimistic admirer as "Science in Pickelhaube"

Political credulity is quite compatible with a very high degree of scientific accomplishment, as the case of Germany shows — N.

Prof Ritchie sees another danger in the credulous and indeed superstitious acceptance of the magical claims of science ← --

by millions who yet ~~not~~ smile pityingly at the superstitions of their ancestors — N.

"In short, to be scientific is to be powerful; to possess the 'mana' or power of the witch doctor ~~to~~ so much admired and feared by primitive man" — Ritchie

the price of power is the same — eternal vigilance and a consequent neglect of his primary claim to power, his scientific excellence

. the decision as to whether they have done well or ill by leaving science for politics depends on the degree to which their transfer of allegiance has been a loss to science or a gain to politics — N

this ambiguous term (Social Sciences) is often used merely to placate contemporary taste, ... to give the impression ... But this confidence trick does neither the physical nor the social sciences much good —

the Bernoullis, Jussieus, Cassinis, Struves (4 who directed the Paris Observatory.)

if ever,

Seldom have two brothers been such collaborators (since speaking of Paul and Prosper Henri of Paris Observatory).

Sigmund von Wroblewski spends 10 yrs in exile in Siberia); was in Berlin with Helmholtz then in Strasbourg, & later became Prof of Physics at Cracow where ~~he collaborated~~ with Karl Olszewski he liquefied in considerable quantities $O_2$ $N_2$ & $H_2$.

Planck's Treatise on Thermodynamics 1st published in 1897.

He had discovered Wien's law, & expected it to have general validity — when this failed he found it necessary to consider more closely the Concept of entropy.

Planck. { Wir Kennen noch ~~ein~~ einen Schritt weitergehen
Jetzt ist die Sache vollständig genügend erledigt

I have found the following lines in Hebbel which refer to the Lord God but apply well to Lenard in our Heidelberg time :-
Und aus seinen Finsternissen tritt der Herr, soweit er kann.

"Ich lebe wie im Schlaraffenland" Planck referring to his English visit- for Newton Tercentenary.

Une ruine est un accident ralenti — Cocteau

Victor Hugo était un fou qui se croyait Victor Hugo — (Le Potomak, Thomas l'Imposteur of Cocteau)

and triumphantly, ~~though~~ the spectator held his breath as if watching a trapeze act without a safety net —

Socrates considers the question whether divination may not sometimes be deceptive, and replies that the collective experience of untold generations is a more reliable criterion than individual intelligence — T

The need to be "à la page" —

thunge "le monde en a décidé autrement —

President Garfield's definition of a University — Mark Hopkins at one end of a bench and a boy at the other —

Universities anywhere reflect and represent national characteristics. If they are effective they help formulate those characteristics. Nothing concerning the great English Universities is to me more interesting than the way they train leaders for national life. A college tutor supervising the work of undergraduates somehow becomes infused with the idea that he is responsible for his country — just as responsible as a government- official — Frank Dobie.

"The state" wrote a wise Englishman "rests ultimately upon a way of thinking"

Stetson hat of modest — not ten-gallon-size.

The entire school system in England, from ~~top to~~ bottom to top, is retains a deal of the ancient idea that while women may be capable of learning only men are capable of using Knowledge - Dobie

"What- in English Univ. life struck you most-forcibly?" Three thousand young men, every one of whom would rather lose a game than play it untairly —

are either dipping or chewing their pens — T

A new audience with a sharp appetite for drama — T

He must have possessed a devastating charm when he cared to exercise it — T.

The music lover of today, who has not to live with or deal with Wagner, thinks only of the debt we owe him, not of — T.

— we vicariously think —

And ranges from jazz, through the "genteelism" of — to the sound work of such men as — T.

I like best the sort of story which I myself can write — Maugham.

He (Maugham) sets the short story within a kind of eternal triangle, making Kipling and Maupassant the solid couple at the base and Chekhov the airier apex — T.

Plus l'intelligence connaît, plus elle peut être coupable. (Intellect is not only misleading, but it is the root of evil) — Maistre

Nulle grande institution ne résulte d'une délibération — Maistre.

As someone must surely have said "Every revolution is also a reaction." — T

To the list of one trait is a dramatist — T

Hens are now losing their wartime knack of laying powdered eggs, on points, in boxes of twelve — T

Impending onslaught of another year of peace — T

There is a warning legend about glittering destruction and asses' ears — T

Vol VIII

--- where even the proverbial "horse's mouth" is not-
very reliable

But arts and precepts avail nothing, except
nature be beneficial and aiding — Ben Jonson.

I remember the Players have often mentioned
it as an honour to Shakespeare that in his
writing (whatsoever he penned) he never ~~bott~~
blotted out ~~a~~ line. My answer ~~is~~ hath been
"Would he had blotted a thousand — Ben Jonson.

--- are among the "certs" (as they say on the Turf), and
--- among the possible runners.

With the air of a dentist complete with the assurance that, though it might hurt a bit, the extraction was the wisest thing in the long run —

They waded through the long and varied agenda as a gourmand dealing with a prewar menu — Punch

A tangle of work on the desk — Ivor Brown.

It is not such as would make the bank manager press cigars on us. — Punch

--- Knows (~~and~~ who better?) -

-- which seems so alien, but which at the same time like some half-forgotten memory of childhood so much a part of ourselves — Times.

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.. which seems so alien, but which at the same time like some half-forgotten memory of childhood so much a part of ourselves — Times.

I cannot call it colour. It is Conflagration"
Ruskin

you fa "My dear Sir, you pay me to send your son's body into the Indian Civil Service, not to send his soul to heaven" Wren, King of Crammers, to a querulous parent.

"Courage", the rarest of all virtues

"Highly puncturesque" road.

One memory tempts another.

Tasks in hours of insight will'd
Maybe in hours of gloom fulfilled — Mater Arnold

Capital; most convincing; by which of course I don't mean that it will ever convince anybody of anything — Fowler (of Kingsley's English)

"The most perfect Nordic girl" was found on investigation to have had a considerable proportion of Jewish ancestry.

his version, or perversion,
mass of clotted nonsense.

"Foursere years" by Coulton

All philosophies since Kant have been built out of the ruins of Kantian philosophy —
Unless rumour lied —

Dreams are the last thing you have eaten before you went to bed.

When I was 14 yrs old, I thought my father an old fool; but when I had grown to 21, it seemed to me that the old man had learnt an extraordinary amount in those 7 years. — Mark Twain

Thereafter — — were out of bounds.

Gallus Gallo lupus — The Frenchman is a wolf to his fellow Frenchmen

There isn't one lazy bone in his whole body.
"Red and raging eye" "Little peepy eyes"

The garden of the sluggard.

The clay was as much at fault as the potter — the boy as much as the teacher.

Fourscr-yeas contd

I wonder whether any more specious falsehood was ever invented than the flattering parrot cry that nothing good has even been done under compulsion.

Goethe asked once "Could we ever get a perfectly wise society?" and answered "Not unless everybody could be born 30 yrs old"

-- You are no gentleman

Had sworn by the nine gods.

He hath no daughters, Sir — King Lear

No man can redeem his brother — Psalms

The College Cook "Professor Mayor, Sir, 'e thinks 'e eats nothing but vegetables But we always put something in to keep him up"

Before settling down to the newspaper. "Are there any dragons now Lizzy?" "Not so many now, Miss"

Wise Carpenter's remark recorded by James "There's very little difference between man & man, but it's just this that makes the difference.

Author and—

"of Science I know nothing; I have not even taught it — Sidgwick.

"Quite right. Sir bearing the pronunciation"—

He indeed found himself greeted by moisture, which was not dew from heaven—

whom I will name by the descendants of X.

My wandering life never threw one at all in his way I can say with Gibbon that I fell by no ignoble hand.

Men have many faults, women only two;
Nothing right they say, and nothing right they do.

Beware of doing an obvious public, or you may be confronted presently with another, equally obvious, which you do not feel yourself brave enough to face—

The list is one which Goethe & Erasmus might have approved as covering a wide area of mind—

The healthy little humiliations of a schoolmaster's life — Dean Vaughan

That phrase has the felicitous accuracy characteristic of all his sayings—

Coulton Contd

The thing that I possess I see as from afar
And those which have disappeared are my realities—
Goethe.

I can imagine even Marcus Aurelius, in his list of gratitudes for good fortune in early youth, enumerating — —
He was a phenomenon of undergraduate obesity — Coulton

~~for~~ referring to a long series of appointments of Cambridgemen to Professorships at Oxford, ~~Henry~~ "You will have to put a tariff on Cambridge men" "No, No, Jackson: Not even Joey Chamberlain would put a tariff on the raw article"

French jest. "Is life worth living?" "That depends on the liver" — Rendering into French "La vie vaut-elle la peine?" "Question de foie". — Coulton p.109.

Continued

(he said)
Routh, or some other great mathematical teacher, met a candidate in the college court, just after the tripos. 'That was a d— good answer of yours, A, to the 16th question' 'yes, Sir, but it is a b— good question, wasn't it?'

Exuding vitality from every pore
Prof. G.D. Liveing, master of St. John's

Was willing to accept ~~dissent~~ rather than Consent-; the question was: Could one pledge himself to agreement with the spirit, apart from the letter?"

"He Knew all his faults and he wove them into his system."

"for we walk by faith and not by sight" — Bible

More helpful to us has been the doubt of Thomas than the most ready faith of Mary — Augustine Serm. LXI

"you won't get anything more until lunch" — The legendary dialogue at the gate of Portsmouth Dockyard: "Why, Sentinel, I am the Admiral's Lady!" "Sorry, Madam, but I couldn't let you through without a ticket- ~~for~~ not if you were the Admiral's wife."

The first secret of pleasing is the wish to please — Chesterfield

Coulton (contd)

French master to Form master 'your boy X has quite a remarkable accent in French' 'I can well imagine it; the fellow is a mass of affectation"

A tenor whose sweetness was equalled only by his unembarassed willingness.

13th Cent brother Vita described in Salimbene's chronicle 'who unlike the singers satirized by Horace, disdained to heighten his value by pleading a cold in the throat'

the parson announced "My brethren, next Sunday will be Good Friday. Indeed last Sunday sh'd have been, only I did forget'

"Unending in their little kindness to you if they like you, and unending in the pettiest pin-pricks if they dont"

His lectures were admirable; learned and yet as clear as a Frenchman's.

'Capable of meeting the "instant need of things with brilliant improvizations" —

They were all discussing - - - so freely that, like a fool, I must put my oar in'

We had seen the Old School Tie at its least edifying side of Scholastic parochialism —

You have become a citizen of Sparta. Adorn her now.

They sent x to Eton to make a gentleman of him, and they made a scholar of him by mistake.

No man is irreplaceable

No man can jump away from his own shadow. If God held all truth in His right hand, and in His left nothing but the ever-restless instinct for truth, though with the condition of forever and ever erring, and Shd say to me 'Choose!', I shd bow humbly to His left hand and say "Father, give! Pure truth is for Thee alone. — Lessing.

they shd be red hot when they are published.

When complaints are freely heard, deeply considered, and speedily reformed, then is the utmost bound of civil liberty attained that wise men look for — Milton.

Sam Weller of a famous, but rather brief epistle: "She'll wish there was more, and that is the great- art o' letter writing"

The atom bomb has set up a reversible reaction whereby the politicians have suddenly become scientists, and the scientists politicians — E. D. Kirkpatrik.

C & I. 1945

What a clever thing is man, as Praxinoë said to Gorgo!

p. 286. Editors, so we are informed, read much so that they may write a little.

287) As an American ambassador to Britain said "Pleasant enough it is to hear folk speak of our virtues, but in our secret hearts it is of our faults ~~we~~ we are proud"

If we are to dream let us do it properly!

309. Who carried his propensity to waggery to an unphilosophical extent

313 .. will go on to the general dissatisfaction of everybody until it seems perfectly normal.

Oct 1945

321) He that is most assured of success will make the fewest appeals to favour, & where nothing is claimed that is undue, & nothing that is due will be withheld. A swelling opening is too often succeeded by an insignificant conclusion. Parturient mountains have ere now produced masculine abortions, and the auditor who compares incipient grandeur with final vulgarity is reminded of those hawkers of Constantinople who solemnly perambulate her streets exclaiming "In the name of the Prophet — figs.

~~305~~ 321) Je vous écris parceque je n'ai rien à faire
Je finis parceque je n'ai rien à vous dire (Horace Walpole)

305 Trevelyan in his English Social History speaking of the 2nd half of the 18th century in England "Yet in spite of the decadence of the only 2 Universities that then existed in England, in spite of the decay of the endowed schools specially charged with secondary education, the intellectual life of the country was never more brilliant, & the proportion of men of genius per head of population in the irregularly educated England of George III was immensely greater than in our own day. It would seem that the highest products of the human mind are the outcome of chance, freedom and variety rather than of uniform organization.

Oct 1, 1945

~~325~~ You can not train a steeplechaser without hurdles.

329 No one can give what he does not possess —

He pleases him, amuses his friends, and does no one any harm —

are about as helpful as the buttons at the ends of our coat sleeves.

~~Est~~ Fossils of an early age, suitable for a museum but not for household use —

There are limits even to our hope.

339 It is like politics wh — according to Pickwick — comprises in itself a difficult study, of no inconsiderable magnitude.

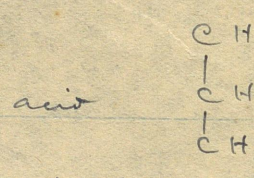
345 We ever make the wish the father to the thought; we receive as friends that which agrees with, or resist that oppose us; whereas the very reverse is required by every dictate of common sense — Faraday

In all human affairs, as in everything else that is not subject to mathematical calculation, the retrospect is much clearer than the prospect — Viscount Grey

to Carry on the good work that . . . initiated.

Glutamic acid [ amino acid

$$\begin{array}{l} CH(NH_2)\cdot COOH \\ | \\ CH_2 \\ | \\ CH_2\cdot COOH \end{array}$$



as an intellectual stimulant and as quickening the memory and making it clearer.

| | | | | | |
|---|---|---|---|---|---|
| Yt | Zr | Nb | Mo | Rh ? | Ru |
| La | Hf | Ta | W. | | Os |
| Ac. | Th | Pro. Ac. | U | Np. 93 | Pu 94 95 + 96 Known |

5 + rather than bd being filled up.

Seaborg see Indust. Eng. chem. News Edn. 2085, 2190 (1945)

C. E. ~~Benf~~ Beynon: The physical structure of alloys: an introduction to modern physico-chemical theories London 1945 (E. Arnold & Co 6s/6d)

C+I

353. This raises difficult administrative problems, which are not rendered any easier by the circumstance that the best scientific workers not infrequently show a regrettable lack of proper respect for established authority; they will not accept anybody's dictum, no matter how eminent he may be; they insist on testing his statement, and are not above announcing the fact if they find he is wrong — Sir John Russell.

Age can not quench or allay the noble fires within — Hypotheses, like Professors, when they are seen not to work any longer in the laboratory, should disappear. — H.E. Armstrong

When Laurent applied for posts, on 2 occasions they were given to Balard — "Balard who was discovered by Bromine" was L's bitter comment.

Frankland began to learn chemistry on the Squeer's principle by making it — H.E. Armstrong.

The human mind is always governed, not by what it knows, not by what it is capable of attaining, but by what it desires — Sir H. Davy

H. Lipson Head of Dept of Physics, College of Technology Manchester in succession to W. H. Taylor, (Nov 1945)

Max Born Visiting Prof. Fuad Univ, Cairo. (1946)

"British Council" "the outline of activities" pamphlet— of its Sc. Dept.

Dept started in 1941 under the direction of Mr J. G. Crowther

G. D. Preston, Univ coll., Dundee, lecture in the Edinburgh Section of Soc. of chem. Industry on Nov. 27, 1945 on "the Structure & chemistry of metallic crystals" C+I 1945 p. 403

mentions x-ray examn. shows Ag Au (both face centred — = parameter values) random alloys.

$Cu_3Au$, Cu Au ordered.

β form (Body centred cube) } eg. Cu Zn, Ag Mg, Au Zn, Au Cd, Ag Cd.
$Cu_3Al$, $Cu_5Sn$, Z per atom 3/2.

γ form more complex } $Cu_5Zn_8$, $Cu_9Al_4$ $Cu_{31}Sn_8$ $\frac{21}{13}$.

Rod of Cu dipped in bath of molten Zn withdrawn & cooled Surface pure Zn, centre pure Cu, intermediate regions ~~α, β~~, γ, β, α phases. If annealed Zn goes further & γ disappears.

Frankland was an individualist; he never founded a school and as Armstrong said of him "Frankland was so thrown on himself, he so developed the art of self-help that he never learnt to order or to use others sufficiently, wh is the teacher's art; he kept counsel with himself."

Armstrong was one of the great personalities of his time. He belonged not to the august order of the Olympians, but was one of the Titans. He had all the spare parts of genius, but not the long patience to put them together

Caring more for causes than for his own advancement, he had to make his way to greatness without the goad of personal ambition to prick him on; though disinterested love of truth and tireless pursuit of knowledge were always with him as good companions to cheer him on the way. — Sir Frederick Keeble.

~~Had~~ Had I but a belly of any indifferency
I were simply the most active fellow in Europe —
Falstaff

The rest is wit and wild exaggeration used alike by Falstaff when speaking of himself, and by his friends when they speak to him or speak about him to others —

Progged : short for proctorized.

She seemed to take personally some of the cheers meant for Mr Speaker — Punch

Prof G. D. Liveing, ~~Master of St John's~~, who lived to 97 until he collided with a woman cyclist on his way to Hall, was the year's guest of honour at Fellows' Dinner on his birthday, Dec. 21. He always made a short speech. Somewhere about 1922 he reminded us how the Professor had witnessed the introduction of railways, elec. telegraphs, motors, aeroplanes, etc., etc. ≠ : a formidable list. He added, drily, 'and we hope he will live to see baths at St John's.' These had been begun some years earlier, but immobilized during the war of 1914–18. College baths had been suggested as early as the seventies, but one objection raised at the council meeting proved decisive. — that no ~~term~~ Term lasts longer than 8 weeks. The saucer baths of those prehistoric times was far from negligible: but few folk took anything like the modern attitude towards

the hot bath. My schoolfellow, Ernest Owen, was son of a Lincolnshire rector. His father noticed that a full length Zinc bath was to be sold among the furniture of a great house not far off, & sent his coachman to bid for it up to 25s. The man came back empty-handed. He confessed to have stopped short at 15s: 'I didn't think the Master could really want to go further with a thing like that, you may say, one wants only half a dozen times in a life-time'. Coulton - Four Score years.

'Mr Chairman - and Gentlemen' — 'A very proper distinction, Sir!' Lewis

Lewis examined in the Moral Sciences Tripos; and, as blind men sometimes do, insisted that there should be no exception made for him: he would sit and invigilate the candidates. F. W. Maitland sat in that Tripos; and as he went away down the Senate House Steps, he heard a fellow-candidate say,

'Just like those sneaks of Dons! they put up a man to sham blind, and so catch somebody cribbing!' I heard this from Archdeacon W. Cunningham, who also sat for the same Tripos.

— Coulton, 'Ibid'.

But the act took an unconscionable time dying —

We shd for a time ~~forget~~ give up 'facing the future' and face the present —

A modest man with plenty to be modest about —

"Sheep in sheep's clothing"

Sir Walter Smithers proposed that warning notices be posted in Britain saying "No work, no bread".

Mr Attlee No, Sir!

Whereupon Mr Hogg upped & asked "Will the Prime minister consider exhibiting in the cabinet room notices in which the two phrases are interchanged?"

When after calling in vain for questioner after questioner, the Speaker eventually ~~the Sp.~~ struck lucky, some conservative wag shouted to the long questioner "So nice of you to come!"

Punch cartoon
On seeing a fine display of aurora borealis "Wouldn't it look grand in glorious technicolour."

The best way out of a difficulty is through it——

The age-old question of Nicodemus arose: How can these things be?

my definition of an 'accepted theory' being that it is the theory wh is so far right that everyone is interested in trying to discover what is wrong with it —— Eddington.

Imagination goes forth in its unwearied glory — Blake.

Science without conscience is damnation — Rabelais's dictum

The unfathomed "west" ——

I may be gone for a long, long time —— Popular wartime tune

We send missionaries to china so they can get to heaven, but we won't let them in this country — Pearl Buck

A specialist is someone who is always telling you what can't be done — Henry Ford.

Dr Abraham Flexner:

then you are not a man; you are an angel.

The whole secret of the wise man is that he learned to bow to the inevitable. — Smuts.

Don't run away with the idea that I said this was good film, an appetizer I like to keep (in my pompous way) for something more intellectually nourishing — Punch.

I ~~must~~ have to admit that as a means of wasting time agreeably it is effective enough —

It has a pleasant taste but no vitamins —

It may not be important to get little balls into little round holes, but many people spend a great deal of time in doing so nevertheless — E. T. Townsend.

(804)

there were moments when I was inclined to echo

When Russell comes to us to display his talents & his productions we are tempted to treat him as the citizens of Plato's Republic treated the poet, paying him reverence as a sacred, admirable & charming personage, but sending him away to another city after pouring perfumed oil upon his head & crowning him with woollen fillets. — Tunis L.S.

Equal rights for all; special privileges for none —
Jefferson.

Or may be, it was the two spiritual ancestors who struggle for mastery over every American; Jefferson with his banner, shrewd old Richard with his Almanac.

As ... expressed it with the Royal disregard for grammar "I believe William & her are very happy together".

If to her share some female errors fall
Look on her face and you will forget them all.

Perhaps they are in danger of becoming ~~master~~ like Lord Acton — they may be so busy assembling the literature of the subject that the compilation of a magnum opus will elude them.

The essence of tragedy is to be found in the conflict not of right ~~but~~ with wrong but of right with right —

Oscar Wilde's comment when he learnt that Edward Carson had been selected to cross examine him — No doubt he will perform his task with all the added bitterness of an old friend."

The judge who requested a rambling counsel to let him have the facts in some order, chronological, if possible, but if that could not be managed, at any rate alphabetical.

Some men by chaff reveal more good intent
Than others by the obvious compliment
But one art-critic friend I can not place
who lately hails me as "Picasso-face" —

Air liner ~~as~~ beautifully hostessed.

Gander in Newfoundland & Goose Bay in Labrador — airports.

Combed my nerves into even strands —

Mr Churchill had a row with his twin aversions. . . . & ~~the~~ in each case the honours were easy.

Now may we have Sir your biassed views on the matter.

Adder = one who adds.

Mr Churchill was at his belligerent best today when sparring with that ex-sea-dog from the Admiralty Mr A.V. Alexander. But wandered far from the "bone" of contention — Punch Oct-30 1946 373 ii

Rumours of approaching resignation from the bachelor's club —

Reappearance of Churchill, pink and beaming, accompanied by his "Man Faraday", Brendan Bracken. —

Contrary to popular opinion and that of writers of gangster fiction whose victims are filled invariably with lead — lead is not one of the metals largely used in modern warfare.

Catch question — one where for which the questioner knows the answer, but has some other purpose in asking it.

There was a nautical flavour about today's proceedings.

The more I see of men the better I like dogs.

Henry Ford completed his first car in ~~1900~~ 1896, and by 1900 was attracting the notice of the press, an early headline running "Swifter than a race-horse it flew over the icy streets".

I expect to go on working, because it is the thing I do best — Ford.

An unethical sense of chivalry.

Christianity does not consist of austere melancholy but of happiness, — and happiness as real as any that can be obtained in this world.

There is no more sombre sign of the decay of christian civilisation and the rise of a new pagan religion than the revival of slavery in what was Christendom; and the torrent of cruelty that has been loosened on mankind; the deportation into servitude of masses of men and women; the horrors of concentration camps; brutalities to Jews

the shooting of 'hostages'; the return to torture;
the 'liquidation' of millions who disagree with,
or are inconvenient to the governing gang —

J. B. Jameson in The Way of Happiness

Attaching themselves to -- like so many burrs —
Enough to make your Knees sag —
Even when you pay them the most outrageous,
unsolicited compliments —
Ten-gallon hat of the Texans
All mirrors set about 6" above eye-level, the wash basin comes to your chest, and the switches & chains are out of your reach —
The problem is unique in that Britain does not hold the baby —
The streets were dim - not Stygian in their gloom, but rather like London lit up.
There may be a lesson there for somebody —
Why I don't is because it wouldn't be right —
Jotting, to those who have any feeling for language, is done with a quill pen and suddenly, so that the beginning of each word is darker than the end.

Won the race by several laps —

His is my last warning, Charles. If you do not mend your ways I shall leave the estate to you instead of to the National Trust —

It is usually said that the House of Commons returning to work after a recess resembles a school going back after hols. But today the House more closely resembled a particularly blood-thirsty crowd at a Roman lion-and-christian meeting — or perhaps a particularly partisan gathering at a Test Match — Punch

He denounced some practices of justices' clerks & asked that the Home Secretary should take steps to step it. Above the din he was understood to amend this to stips to step it.

The gentleman who enlivens radio shows by inviting all and sundry to take a snuich of puff.

Nemine contradicente (Nem con)

Take no hair & split it.

The English padre who offered a benediction to some French troops:-
"Que Dieu vous blesse"

Whose notion of motoring is to lie under his car all day on Sundays.

Plan as if you were going to live for ever; act as if you were going to die tomorrow. — Vauvenargues.

Of the slave in ancient Rome Gibbon said that one advantage was not denied him, and that one the greatest of all — hope. — Times Lit. Suppl.

Work usually implies returns, the ox that treadeth out the scriptural corn is not muzzled. — .. Times Lit.S.
The substituted proverb, however, appears seems to be that not only does the cobbler's wife go the worst shod, but that this is perpetual, and in itself an ideal — Times L.S.

Work without Hope draws nectar in a sieve
And Hope without an object cannot live.

I am tempted to say that the Dr Johnson that most of us know is as much Boswell's creation as Falstaff is Shakespeare's" — Abbott.

Fox was perhaps the first modern statesman for whom the purpose of politics became the advancement of certain principles rather than the pursuit of power — T.L.S.

From here, as from a springboard, we may well take off to follow — — Nature.

The end of government is the good of mankind — Locke.

Shady? yes, I suppose so. But this is literature, friend, and not politics.

"My dear, guess what I saw in Mrs Smith's pram — a baby!"

A constitutional laziness, a disinclination to face unpleasant facts, a love of the good things of life —

Savoy Hill was alive. Machine herd not yet mastered man —

Mayfield farmer who objected to new roads "for how can a wagon stand upright if it has no ruts to go in —

The master's foot is the best manure —
One year's seeding, seven years weeding —.

A modern Canaan actually flowing with the best- milk and honey we had ever tasted.

Under its sugar lies a regular horse-pill of instruction
To estimate his place in modern --- thought; and to establish his relevance for our own times.

He has seen him clearly if he has not seen him whole.

Forcibly recalls ---
Marie Antoniette "who came into France like the lovely rainbow of the morning, prefiguring as they say, the bad weather to come.

In spite of his privations which all the generosity of his friends was unable to mitigate.

He had the bad luck to go on to the stage when they were still hissing the previous act.

You can not turn away your husband however much his suit may curl at the edges.

Committed the fatal blunder of spending that odd half penny which made all the difference between solvency and the opposite.

Himself a victim of the blue pencil.

The usual baker's dozen —

Major Hastings, in 1941, broadcast a series of talks addressed directly to the Germans, and in the course of them invented a German military expert Karl von Tauchnitz, his treatment of whom provoked a German broadcaster to retort "Major Hastings quotes von T; he evidently does not understand him."

Wildman had a wonderful skill in grazing the edge of treason, and died in his bed after having seen two generations of his accomplices die on the gallows — Macaulay.

Careering in seven-league boots through the centuries — which took with it (together with some things that were bad) much that the world could ill afford to lose.

Murderers, now as then, can count on front-page hospitality.

Comment is free, but facts are sacred —

As the promoter of a news sheet - announced that he would not take upon himself to publish comments as well as news, since he supposed that "other people have enough sense to make reflections for themselves".

that - extreme hypocricy — Objective Truth

Here & there a gallant - soul, dissatisfied with ... has taken courage into his hands, and his cheque book into the city, and sought to practise what he preached.

"Nothing is here for tears" —

I hold every man a debtor to his profession, from the which, as men of course do seek to receive countenance and profit, so ought they of duty endeavour themselves, by way of amends, to ~~to~~ be a helps and ~~ex~~ ornament thereunto — Bacon.

The husband - wife relationship is losing much of its former rigidity, and the wife is winning a place beside, rather than behind, the husband. —

It is not enough to know the truth, we must also see it

"There is a march of Science" said Lamb; "but who shall beat the drum for its retreat?" — T. L. S.

I like the Kitchen, but I can not stand the cook — Thiers.

Distrustful of extremes, and of all doctrinaires, he saw in parliamentaris institutions and habits the essential remedy for the ills of France; a persuasive and at times a brilliant orator, he needed parliament as a focus for his own power; an adroit political craftsman, he made parliamentary assemblies his workshop. His enemies paid him a high tribute when in 1873, they denied President Thiers the right to appear in the tribune without previous ~~notice~~ notification; for they thereby admitted that the basis of his power and influence was his skill in persuasive oratory. — T. L. S.

I have not heard such a mild broad river of discourse, rising anywhere, tending ~~anywhither~~ anywhither --- Carlyle of Thiers

It will be evident to any Scot who opens this book that here is a Kinsman speaking: a Kinsman who migrated sometime ago, perhaps, but who nevertheless has in his bones that feeling for Scottish history, traditions, character, and ordinary living that the most sympathetic outsider can hardly acquire. Many will disagree with him in ---, but it will be in the spirit in which they disagree about such things among themselves. ---- The native would listen with every good will to the home truths which his Kinship gives him the right to make—

TLs.

'To see ourselves as others see us' is a salutary experience, but sometimes so painful that we turn & curse the agent. Rare, pleasanter, and probably as salutary, is it to see ourselves through another's eyes, when the other is in a sense one of ourselves, and is moved by love as well as by curiosity. This unusual pleasure has provided for the Scots; indeed the strongest feeling he has implanted in one reader's breast is a wish to take him to old Aberdeen

:---- TLs.

It is the quality of his reasoning that gives special distinction to --

The appreciation of the art of the past, according to Coomaraswamy implies an education not in sensibility but in philosophy, and that nothing is accomplished today by the exhibition of works of art "unless men's lives are affected and their values changed by what we have to show — TLS.

Had already become a "prodigious man" when migration of Scots to England.

"The age of thinkers is passed, soon we shall have to say the age of thought is passed —
Kirkegaard in 1847.

Faith without works is dead. —

If he was happier with Wordsworth than with any other author, that happiness was a good deal helped by something of Wordsworth's quality in himself. — TLS.

Always waiting for "something to turn up" and a little apprehensive lest it should

is a piteous chronicle of conjugal infidelity —

"He hoped not for a new heaven and a new earth, but rather for a return to the noblest traditions of Athens or of Rome" — ~~Thos~~ Selincourt — of wordsworth.

And that is all there is to it —

The love of liberty makes strange bed fellows ~~Walt~~ and in this volume Landor lies down a little uncomfortably with Walt Whitman — TLs.

Our little systems have their day — Tennyson. He crows it lovingly. —

He is not quite so sure, for the moralist in him is always waiting round the corner —

It registers a point of view, an attitude, a philosophy —

Art is not an aesthetic but a rhetorical activity — Art is not self-expression but effective communication. — Coomaraswamy.

He belonged emphatically to Charles Lamb's "great race" of borrowers —

Reading, re-reading (an important distinction)

It is more than nonsense, Sir; it is nonsense on stilts!

"To travel hopefully is a better thing than to arrive"

Poor Fred's (Frederick Louis – Prince of Wales, 1707-51) advise to his son, ~~he~~ the future King ~~George~~ III "Flatterers, Courtiers or ministers are easy to be got, but a true friend is difficult to be found. The only rule I can give you to buy them by is if they will tell you the truth" —

This is to praise the absence of limericks in Mrs Beeton's Cookery ~~Book~~

"An outline of Knowledge for boys and girls and their parents"

God speaks without a written word sometimes, yet according to it — Cromwell.

We are not of those who think only surrounded by books, under the impulse of books — we are accustomed to think in the open air, walking, climbing, dancing etc.

Nietsche

But he was not naturally incandescent. His mind like an impregnated wick needed an exterior flame before it could take fire —. Ths ~~of~~ on Du Bos.

If roughage was needed to supplant the rich literary diet of those days —

I have had three sons at Oxford, and it doesn't seem to have done them any particular harm — Frank Morley, the Senior Mathematician himself a Camb. man.

One is astonished that such a rich harvest of results arises from so thin a sowing of assumptions and definitions — Milne of Jean's ~~ex~~ proof of equipartition of Energy

Establishing the All-but-inevitability of equipartition. — Milne

Maxwell was addressing himself to the equipped mathematicians, while Jeans provides the equipment as he goes along. — Milne.

This was Jeans' 'finest hour' — Milne.

Perhaps scepticism and a persuasive style are incompatible! — Milne

Have you read the mid-day (Edgar) Walker Sir?

He tidied it up —

He is of the masters who can afford to taste the tree of Knowledge, and yet not lose the Garden of Eden — Milne

His first full dress paper —

There was what the film-fans call a 'second feature' atmosphere about the House of Commons today — Punch.

Two-hundred-and-twice told tale.

This was the only touch of the hero-rescues-heroine in the whole of a rather weary evening's debate.

Logic is neither a science nor an art, but a dodge — Jowett.

Reason is a dodge to justify our acts and opinions.

To the average public's mind Thackeray is the opposite of Dickens. Psychologists say it is the most obstinate example they know of the Oxford v. Cambridge way, but that the Keats and Shelley set-up runs it close. — Punch.

It seemed quite like old times —

New methods of serving chestnuts are not beyond the capacity of an Englishman — Punch.

Over in the Lords Lord Woolton was making the noble flesh creep with an account of a coming food shortage — Punch

Somehow the sitting contrived to wend its weary way — P.

Barking up the wrong tree —

I did not hear what you said, but I entirely disagree with you —

To talk of "old remembered far off things and battles long ago" — T

A chair-borne job — T

— Will helps readers, if not to think, at any rate to realise that there is something to think about — T

The vulgarisateur

It is into existence of masses of disillusioned young men with energies untapped, minds unextended and loyalties unawakened that the civilization's danger and philosopher's opportunity —

Joad

Some truth, a sufficiency of beauty, and a reasonable amount of goodness —

The nursing of grievances has perhaps caused more misery than any other uncivilized habit of mankind —

.. has still to learn to correct what he believes to be a mistake without jeering at it, and to challenge an assumption without representing it as a deliberate insult to his people — E.H. Neville

The Electrons, like horses in a fog, have a mere probability of being somewhere near a given route.

Spices the dish with a literary flavour —

Charles IV, King of Bohemia while founding the University Carolina, now the Univ. of Prague in 1348 stipulated that it should "serve the cultural needs of the Bohemian people, that they should no longer beg at foreign tables but should have a worthy feast brought to their own table"

A 'near miss' from perfection is claimed

Oratio recta and oratio obliqua

Never say never — Monley

Arnold Berliner (editor of Naturwissenschaften) describing his scientific contributions as "a hybrid of mimosa and porcupine"

He hasn't had leisure in which to grow up.

Mute inglorious Miltons

Object to produce research physicists and not a series of ~~contri~~ communications. Should be judged by the quality of the men it sends out rather than by the quantity of work —

Holditch, president of Cairn for 32 years, was so shy and so rarely seen that a Fellow of his own college once showed him round the college, taking him for a stranger — Stretton.

The theory of least-squares is like love — one cross word can spoil it all — Kramers.

If not with string and sealing wax, at least with quite limited resources — Mott.

This reads like a theory in Physics based on unpublished experimental facts, so that it is impossible to judge how valid or fair ~~is~~ the conclusions are — Mott.

Science is one of the cultural activities of man, one of the ways in which his creative powers and his questing spirit find expression — Nature.

it's dogged that does it —

If it's new it isn't true; if it's true it is'nt new.

Irishman's definition of a net as a ~~mass~~ lot of holes tied together with bits of string —

writers like - - - cannot be persuaded that to overlay one's child is to kill it. There was once, he will remember, a lady who did protest too much. — TLS

Politics are Heraclitean by nature; they are much less often a conflict of good against evil than of one set of good-and-evil principles against another set. — TLS

There are various political problems which have teased philosophers since Plato: — TLS.

Some people would feel that eighteen was plenty — TLS.

Amiable fallacies —

classical literature was full of wisdom and virtue and search for truth and for some forgotten thing called wisdom — Gilbert Murray.

Let us by all means preserve and improve our standards of strict scholarship, but let us always remember that Greek is more than a superb language and more than a splendid literature; it is at least for us of the European tradition the first awakening of the human mind to all its varied enterprises in the search for truth, the creation of beauty and the eternal quest of a Good Life for man — Murray.

However, as in most mathematical theories, the important central idea may be described so as to be understandable by any interested intelligent scientist.

On the lips of every student, but not understood by every student.

Any one who tries to prophesy is skating on thin ice.
All stars are born as giants and die as dwarfs.

Most of us are too busy to be efficient
Use your head to save your heels.

Most persons would rather be considered wicked than foolish.

Old trees can not be safely transplanted
A high place is reserved in the fashionable demonology of today for newspaper owners. They can do nothing right—TLS

The searchlight of criticism leaves them in Kindly darkness, while its hostile beams shine slowly up and down the columns of the "Capitalist" Press-
TLS.

He steered not only by the compass but by the stars.

Beer

Froth on top, dregs at bottom, but the middle excellent — Voltaire's description of Englishmen.

All was fish that came to his net — Aldous Huxley.

No ~~man~~ man had genius who did not aim to execute more than he was able — Davy.

A history of the heart, mind, imagination, animal spirits, and pocket-book of New-England —

Left Bristol to seek "liberty of thought and action" in the New World —

Preferring Shakespeare whole to Shakespeare mangled — England so cruelly denatured —

Falls into the hands, and later into the arms of an ambitious secretary —

Lakeland

In 1830 Babbage published his "Decline of the state of Sc. in England" chiefly directed against the R.S. He had been associated with Peacock & the younger Herschel in an attempt to introduce continental methods into the Univ of Camb. one of his efforts ~~being~~ having been the proposal to form a society for promoting "the Principles of pure d'ism (d is Leibnitz's ~~symbol~~ method) in opposition to the dot-age (dots are N's notation) of the University" ——

From about 160° C to 550° C. molten mixture of salts eg nitrates & nitrites of K & Na (H T S.) can be used as liquid for temperature.

Falcons can dive at 165–180 miles an hr.

Longitudinal shrinkage of wood only 1% of its transverse shrinkage

Among the 21 amino acids of which all proteins are composed, 11 are synthesised by the body and the remaining 10 have to be supplied.

11 vitamins definitely known: & 12 on the waiting list for the honour.

## Stirling's Series

$$(x-1)! = \sqrt{2\pi}\; e^{-x}\; x^{(x-\frac{1}{2})} \left\{ 1 + \frac{1}{12x} + \frac{1}{288x^2} - \cdots \right\}$$

(Whittaker & Watson 4th edn. p. 253)

If $x > 10$, $\{1+\cdots\} = 1$

$$\log x! = \left(x+\tfrac{1}{2}\right)\log(x+1) - (x+1) + \tfrac{1}{2}\log 2\pi$$

the usual form

$$\log x! = x\log x - x$$ is true only if $x \gg 1$.

For $x$ as low as ~~to~~ 2 it is correct to 5%.

Howlers

(for evidently Travers)

Ramsay + McDonald were perhaps the premier pioneers in the isolation + classification of inert gases — ended by C + T

Fast-: Originally immovable: Const: running fast- = with Const velocity.
Hence rapid.

Per capita = for each person, not- per head.

Knowledge of the "bitten line"

Going down the Sunday throat- (Food through wind pipe)

When two Sundays meet: (or come together) = Never.

fast — immovable — original — running fast (with const. vel.)

Rapid in motion

Sycophant : man who shows figs

Amethyst : not drunken

Nasturtium : Nose twister

Pedigree

Sarcophagus

Editor — Booze-Damask

~~Stuart chase the Tyranny of words~~

~~Ivor Brown : Just another word~~

~~A. P. Herbert what a word.~~

Circumspect

Green: malachite  Black: magnetite
Blue: azurite  Yellow: Limonite
Red: Haematite

Bats drink water by skimming over the surface of a still pool and dipping down repeatedly & scooping up the water as they fly.

Heat treatment after moulding is called "sintering". In the sintering process the particles are interlocked or "zippered"

Pt powder was compressed to shape about a century ago. W for filament made that way.

metal mixtures that alloy during sintering.

The retina of the human eye is about 3000 times as sensitive as the fastest photographic film.

World's record milch cow gave 38,606 lbs a year + 1402 lbs of butter

Piezo elec. discovered by Curie brothers in 1880. 1st appln made in 1917.

Blodgett's invisible glass.

3500 lbs of pure sugar per acre.

"Which is the more useful, the sun or the moon?" asks Kuzma Prutkov, the renowned Russian philosopher*, and after some reflection he answers himself "The moon is the more useful, since it gives us its light during the night, when it is dark, whereas the sun shines only in the daytime, when it is light anyway.

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* Foot-note by Gamow: A fictitious character created by the idle imaginings of the Russian poets Count Alexei Tolstoy, and the brothers Zemchushnikov.

The following persons wrote under the pseudonym: Kozma Prutkov, Alexis Konstantinovich and the two brothers, Vladimir and Alexander Zhemchuzhnikov, and some times even P.Yershov, M.Lozinov and A,Amosov, and others, participated in his "Works". These writings appeared between 1854 and 1884 (with two intervals). Only one volume of the collected works of K.P. appeared in 1933.

The real virtue of the teacher is not impartiality ~~but~~ — a quality which the mere dilettante can simulate easy enough — but justice, the stern intellectual self-discipline which enables a man who has committed himself utterly to the guidance and promptings of his own convictions to look with charity and understanding on those of others — (in Nature) Casserley.

To be equally unjust to everybody is a travesty of real impartiality — ibid.

Must resist the temptation to complain if his hobby horses are not ridden —

The whole is simpler than the sum of its parts —
Willard Gibbs

Willard Gibbs when asked what the first duty of the vector analyst was "It is to present the subject in such a form as to be most easily acquired, and most useful when acquired."

Any one with the same desires could have made the same researches — Gibbs.

It is ~~hardly~~ perhaps ~~not~~ entirely fair to compare Gauss with any mathematician except the very greatest
— Struik.

According to Adam Smith each man pursuing his own interest is led as by an invisible hand to serve the common good —

Conjectures which I present with all the distrust which everything that is not a result of observation or of calculation ought to inspire — Laplace.

It was the quality of Laplace's writing that gained for him the distinction, unusual for a mathematician, of election as one of the forty "immortals" of the Académie Française

Ce que nous connaissons est peu de chose; ce que nous ignorons est immense.

Physics is not the obvious, commonsense, naive science that it was once thought to be —

The new Pharaohs did not Know Joseph nor what he had done for Egypt —

I owe my Swedish Order of the North Star to my cook, whose skill won the approval of an eminent stomach. — Alfred Nobel

My factories may end war sooner than your (peace) congresses. The day when two army cores will be able to destroy each other in one second, all civilized nations will ~~be able~~ recoil from horror and disband their armies — A. Nobel

Microbes of the soul — A. Nobel

Biblical exhortation to "praise famous men and ~~of~~ our fathers that begat us"

War is too serious a thing to be left to the military — Clemencean

they never get sleepy, no matter how late they may have been up the night before —

It is like driving in an automobile that is moving in the ~~opposite~~ wrong direction; the faster you drive the farther away from your destination you will be —

But I rather take this quality to spring from a very common infirmity of human nature, inclining us to be most curious and conceited in matters where we have least concern, and for which we are least adapted either by study or nature — Swift ~~Gulliv~~ speaking of the inhabitants of Laputa.

The 1702 edition of the ~~Hist~~ History of the Royal Society by Thomas Sprat, one of the original Fellows, was described by Swift as the best book in the English language —

The physics of today is the technology of tomorrow —

A truth that is told with bad intent
Beats all the lies you can invent — Blake.

But I well perceive that lies are needed, and in full measure — Reynard the Fox.

Gegen das Auge ist das Ohr ein stummer Sinn.
(the ear is a blunted sense compared to the eye)
Goethe.

Many of the most important advances in astronomy ~~have been~~ — the discovery of Uranus by Herschel, the discovery of spiral nebulae by Lord Rosse, and the creation of stellar spectroscopy by Huggins — has been made by men who had no astronomical appointment —

It is usually possible to solve a difficult problem in a difficult way = by brute force and ignorance. However, real advances are made by recognizing difficulties and avoiding them.

It is not damp which causes tools to rust; it is dust — C.V. Boys.