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SIR WILLIAM OSLER, BART.  
OXFORD

7666 k

January 13<sup>th</sup>

P. M. on a case of Phthisis. (See W. Jenner)  
Much emaciated. Attention drawn  
to the shape of the thorax, which was un-  
usually long, flattened, the lower ribs  
extending to within a short distance  
of the crista iliaca. Sir W. remarked  
that this was a form of thorax often  
seen with congenitally small lungs,  
and nature took this method of  
adapting the paretic to them.  
The upper ribs were oblique & the  
intercostal spaces wide, but from  
the fourth they began to slope & ter-  
minally, till about the 8<sup>th</sup> & 9<sup>th</sup> they  
became almost vertical: the costal  
cartilages as they ascended to their  
insertion forming almost an acute  
angle with. On opening the abdomen  
the situation of the viscera was exam-  
ined upon: the liver being ~~displac-~~  
ed almost vertically and extending  
in below the margin of the ribs. On each

side, when it came in contact with the costal cartilages, well marked patches of tubercle were seen. The Diaphragm was much arched the anterior portion being almost vertical & lying in close contact with the cartilages of the sternum. Attention was then drawn to the post mortem staining of the various parts and to the transudation of serum from the heart into the pericardium & to a slight degree into the pleura from the lungs. Open the heart always in the course of the circulation.

The de-colourized portions of the blood clot in the heart often afford important evidence in medico-legal inquiries with reference to either the original position of a body or as to whether it had been turned; as the colorless portions are always uppermost. Heart was flabby but otherwise healthy. Extensive pleural adhesions

all over both lungs. Right one pre-  
sented at the apex signs of old standing  
pneumonic affection(?), being indurated  
in spots, channelled, small cavities  
shedded here & there with caseous  
masses. Throughout the rest of the  
lung milky tubercle was scattered  
densely and Dr. W. remarked that  
this was one of a very few cases he had  
observed in which there was an  
extensive deposit of tubercle, without  
any great elevation of temperature  
being, never above 100°. Some oedema  
& emphysema were also observed  
The left lung was small, shrunken  
firm to the touch, though not as less,  
looking very much like a lung comp-  
ressed by fluid. The posterior portion  
was channelled by an irregular cavity  
of recent formation devoid of a lining  
membrane strewed with numerous  
small tubercula.

January 14 <sup>th</sup>

P. M. on case of <sup>(male) at 40</sup> supposed lymph-  
atic leucæmia. (Wilson Fox)

Much emaciated & externally large  
glandular swelling, could be seen  
in the right cervical and axillary  
regions. The condition of the lymphatic  
glands throughout the body was as  
follows: Axillary & cervical of right side  
formed a continuous chain, the  
former being much matted together  
making a lump about the size of  
hen's egg; the latter more isolated  
None of any size in the corresponding  
situations on the opposite side, nor  
were there any in either groin  
The sub-bronchial glands were  
much enlarged, especially those  
over the left bifurcation of the trachea,  
which though completely pervious  
yet had its calibre diminished  
The lumen of the aorta was con-  
siderably narrowed, hardly admitting

the little finger. The whole chain  
of retroperitoneal glands were enlarg-  
ed, indurated & matted together  
and also formed adhesions with  
the caecum & pancreas

On section all these glands presented  
with slight modifications, the same  
appearance, they were firm to the  
touch, yet broke under the nail, in  
colour varying from a dirty white  
to a distinct yellow; traces of gland-  
ular structure sometimes visible  
capsule generally well marked &  
adherent. The variations were as  
follows: <sup>A few of the smaller glands had a peculiarly turgid</sup> One or two of the smallest  
except <sup>one or two of the smallest</sup> <sup>one or two of the smallest</sup> <sup>one or two of the smallest</sup>  
and in the axilla had suppurated  
Others could be easily enucleated.  
In the bronchial gland much pig-  
ment was present & in some a soft  
nucleus was observed. The retro-per-  
itoneal glands differed only in one  
particular viz, that in one or two  
a peripheral line of suppuration had

taken place between the hardened  
gland & the capsule

Lungs & diaphragm collapsed in position.  
Apices, both the seat of tubercular deposit  
(Fox) and tubercular masses  
were recalled throughout the organ.  
Pigmentary connective tissue & inter  
between the nodules at the apices, in  
which some central softening was  
observed. Heart normal.

Spleen 3 (not very large) firm, albumenoid;  
sago grains well marked  
a patch triangular in form, white-  
colour, and probably an infarct & white  
at one extremity. Liver not enlarged  
& apparently healthy.

Intestines. One typical tubercular  
ulcer & ulcers about one foot above the  
ileo-caecal valve, extending completely  
round the gut ~~and~~ constricting its  
diameter considerably. On the serous  
surface of it some grey granulation  
(tubercles) were found. Ulceration



not however for tubercles charcoal  
was also found in the caecum, & much  
as granulations on the serous coat ex-  
ternally. Kidneys, enlarged &  
slightly albuminous

Dr Fox in remarking in this case  
said, that, enlarged lymphatic  
glands might arise from many  
causes among which the chief  
were; irritation, simple & specific,  
scrophulous, hereditary, carcinoma  
& the disease known as Lymph-  
adenoma, This case was believed  
to be one of the last named. There had  
been no increase of white or corpus-  
cles, but numerous small red ones  
in great excess. He had had albumi-  
nuria and diarrhoea, but the chest-  
disease, though diagnosed, was not  
thought to be so extensive as I thought  
it. Altogether Dr Fox inclined to the  
belief that this was not a true case  
of "Hodgkin disease" but a case of

general tubercular affection of the  
lymphatics & to his mind the  
similarity of the <sup>appearance</sup> affection in the  
lungs, especially at the apices  
favoured this view. The non-ex-  
istence of adenoid growths in  
other organs was also a strong ar-  
gument. The Brain was healthy  
and unaffected.

January 16

Out pat. B. Hill

Syphilitic orchitis

Testis uniformly swollen, epididym  
not distinguishable. devoid of any  
special secretiveness, differing in  
this from the tuberculous and aden-  
omatous. May rubride & then come  
nagain. It's final termination under  
cure <sup>may, in</sup> shrinking of the testis & un-  
ability. Blend P. F. Loder

Case of acute Eczema following a  
ray on the skin. In H. referred to  
the constitutional condition and

under which Eczema most frequently  
arise among them the chief in the United  
States of the system, diet, & exposure  
pure and the working in irritating  
material is an active cause,

As regards the treatment. Wash well  
first with soft water or water rendered  
soft by boiling, then apply a powder of  
3 parts starch to one of zinc. wrap the  
limb in cotton wool and lay on  
absolute rest.

January 17

Dr. W. James

In applying any a hot foment-  
ation, draw the patients clothes well up  
about his armpits, place a thick fold  
of blanket under the nates, then apply  
your fomentation & cover with a piece  
of old silk larger than the flannel  
beneath, over this place an old fold  
of blanket, & over all fold the ends  
of the blanket beneath his nates.  
This will keep warm for some hours

In taking observations with the  
ætherometer, in order that they  
may be reliable you must repeat  
them several times at the same  
places with an interval of some  
days between

In some women & in nearly all  
children the voice does not  
produce vibration enough to enable  
you to feel the vocal primities. As  
this is a very important aid in  
the diagnosis of pneumonia  
pleurisy with effusion, what equal-  
ant sign are we to look for in these  
patients? Dr. W. says we find it  
in the displacement of organs, In  
pneumonia the lung retains its nor-  
mal bulk, but in a chest the sub-phre-  
nic gives a uniformly dull note behind &  
the course to the nipple in front. This  
& certainly will produce some displac-  
ement - should always be looked for

Dr Ringer

Care of Syphilitic eruption  
about the face & neck in a child 12  
months old, suffering also from Thrush  
and Diarrhea. He ordered  $\text{gr} \frac{ii}{j}$  of  
by day & extra, three times a day  
and said that "children diarrhoea  
was often stopped readily in this way  
though at first it might aggravate  
it a little. If the one dose was given  
at night it would cause much  
sleeping & diarrhoea but - she could not  
explain it if it was given three in the  
day no ill effects followed"

Tinct Copiva tried in Dropsy  
Glycerine of Taraxacum in Eczema behind  
the ears in children

Dr Lencer

in referring to intestinal  
obstructions said, "it was as culpable  
to give cathartics on them as in Strangulated  
hernia give opium which relieves  
the eminent spasm of the gut."

varm enervata &c.

January 18<sup>th</sup>

Useful for Women. Colotomy. Mr Heath  
 This was a case of cancer in the rectum  
 not however producing complete obstruc-  
 tion, but as it was progressive and  
 the woman at present in good health  
 it was deemed advisable to operate  
 now, as by this means her chances  
 would be greater. Mr Heath made  
 a horizontal incision about 7 inches  
 in length the center of which cut a  
 vertical line, & was to pass  
 through the posterior third of the crura  
 dia. The various fasciae having been  
 cut on a director, the bowl was exposed.  
 As no feces were contained in it and  
 as they had been unable to pass up it  
 up, & dilated the bowd, some difficulty  
 was experienced in drawing it forward  
 several folds of fat also impeded the  
 pro access to the gut. Finally it was ob-  
 tained & before incising it two returns

were pared through

January 20<sup>th</sup>

"Dr. Bastian" Case of rapid wasting  
and loss of power in the deltoid  
and arm muscles. The man had  
been under treatment for a slight  
cold which had improved, when  
this affection of the muscles came on  
he was seen first three weeks after  
the attack and the arm was then  
diminished much in size & power  
over it almost lost; he was neither  
able to abduct the arm or flex the  
forearm. Ordered R. A. Lodi's grs viii  
codie & Faradization three weekly  
within a month he had regained  
sufficient power over the muscles  
as to raise the arm to level with the  
shoulder and also could flex the fore  
arm completely. Dr. B. supposed to be  
due to some disease of the <sup>"nerve roots"</sup> roots of  
one or two of the branches of the Br. plexus

P. M. Scarlatinal droopy. Death from  
dysnoea. Boy at 10

Anasarca general. 3 x x of milky  
fluid in right pleural cavity. 3 iv  
of similar in the pericardium. Exam-  
ination of this showed numerous  
lymph corpuscles & etc. To corpuscles  
all nucleated some multinnucle.  
A few larger more granular cells  
were also found

Right lung somewhat adenomatous,  
pale, tough to the feel. Bronchi (in lobe  
seemed thickened. Left lung.  
On the surface of this was situated  
- anteriorly & laterally - a large flattened  
mass of fibrinous effusion, from  $\frac{1}{4}$  to  
 $\frac{1}{2}$  an inch in thickness, the exterior  
being very firm, the interior more gel-  
atinous & apparently of more recent  
origin. Evidences of tight compression




were visible beneath this, but otherwise the lungs did not present any marked features.

Heart normal. Large de-coloured clot in right auricle; fluid blood in right ventricle.

Liver healthy. Spleen soft & pale.  
Kidneys Large. On section, cortex sub-  
len & fapale yellow colour. Medullary  
portion congested. Capsule easily  
detached. Surface of cortex pallid with  
numerous stellate veins scattered  
over it. A few pili & depressions were  
seen, perhaps the beginnings of pro-  
fund changes. The Kidneys were  
good specimens for a stage not often  
seen <sup>(P.M.)</sup> after acute nephritis; the  
severity of the attack was past & the  
organs apparently in such a condition  
that further detumescal changes  
or a complete recovery would depend  
on the state of bodily health.

Brain. pale, anemic. Surfaces  
on section "wet". Dura mater adherent.

January 21<sup>st</sup>

R. L. Ophthalmic in the morning  
"Lawson" case of indolent for closed  
pupil "Swimming of eye". Injury 7  
years previously, by the explosion of  
gunpowder, subsequent iritis, tran-  
sient cataract, ~~injury~~ - Pain  
& danger of sympathetic Ophthalmia  
in the other eye, which had just re-  
ceived an abrasion. Lodging in  
the sclerotic beneath the tendon  
of the internal Rectus a piece of  
glass  about that eye was found  
"Couper"

Congenital Cataract <sup>.37 inch</sup>

attempted solution, but found the  
lens so hard & firm that extraction  
was performed. Present operation to  
tear with needles some remnants of  
capsule left in the right eye

Case of Strabismus, internal,  
Old man, gamekeeper, & troubled with  
double vision;

W. C. H. "Piergi"

January 30<sup>th</sup>

(M. F. 7x)

Case of Apoplexy

Man at 75. well made, well nourished

History

Post mortem

Dura mater adherent  
to the calvarium, which was unusually  
dense and heavy. Sinuses normal  
Surface of brain intensely hyperemic  
and five spots of sub-arachnoid haem-  
orrhage were found; one over the left  
<sup>anterior lobe</sup> temple, which corresponded to a  
bruise received by the fall in the seizure  
the second on the surface of the right  
middle lobe, the third on the inner

surface of the left posterior lobe: the  
remaining two occupied a position at  
the under side of the cerebellar lobes.  
The amount effused was not very  
large, but in each case it extended  
over a considerable area - in section  
it was found deep in the sulci.  
On tracing the hemispheres, the con-  
gulum so marked externally, was  
not here evident, though the vas-  
cular prints were well defined.  
On opening the right lateral ventricle  
an extensive haemorrhage presented  
itself, which on washing away the  
clot was seen to have proceeded  
from the body & under part of the  
capsula striatum and the anterior  
segment of the Thalamus opticus, both  
of which organs, together with the ad-  
jacent structures, were much lacerated  
and deranged. The septum was  
also ruptured and clots with fluid  
blood were found in the left ventricle.

le, the walls & floor of which were how-  
ever intact. The haemorrhage had  
also penetrated into the third ven-  
tricle

The arteries were unevenly atherom-  
alous, firm & fibrous rather than  
calcareous

Nothing noticeable in other portions  
of the organ

Heart, large, with a good deal of per-  
icardial fat lying upon it

Right chambers, normal, with the  
exception of slight opacity of the lining  
membrane of the auricle

Left Auricle healthy. Ventricle much  
hypertrophied, but the muscular fibres  
apparently perfect, no traces of "faded  
leaf patches", indicated fatty changes

Mitral valves, somewhat thickened  
and the orifice slightly narrowed

One or two nodular masses of gelatin-  
ous atheroma were attached near  
the margin of one segment. Aortic

valves thickened slightly, seen one  
commencing calcification  
Lungs extensively collapsed and  
adematous and at the base small  
tracts of Pneumonia could be seen  
distinct from the collapsed and  
adematous lung by its want of trans-  
lucency & slightly granular aspect.  
Liver & Spleen firm but otherwise  
normal.

Kidneys, small, markedly fibroid  
Capsule detached with great difficulty,  
leaving surface granular & pale  
It seems as if in these cases, the pucker-  
ing of the cortex, takes place at the  
entrance of a blood vessel only, the  
round smooth "granules," being  
devoid of vessels. On section, cortex  
reduced in up. pyramid within  $\frac{1}{8}$   
of an inch of the surface. Malpighian  
bodies indistinct. No pyramidal  
congestion, cystic degeneration in  
spots

I fear I am <sup>very much</sup> in your bad books - and <sup>95</sup> <sup>Sam + say</sup> <sup>not</sup> <sup>in</sup> <sup>your</sup> <sup>only</sup> - for  
missing word how it has forced with me in since I left  
London. I am no hand at ~~spelling~~ <sup>figures</sup>, else you should  
have ~~referred~~ <sup>them</sup> of the dozen, but would confess to being  
a very bad correspondent, beyond the weekly <sup>letter</sup> <sup>both</sup> <sup>of</sup>  
~~the~~ <sup>to</sup> <sup>Cayenne</sup> ~~the~~ <sup>is</sup> <sup>despatched</sup> <sup>and</sup> <sup>sent</sup> <sup>out</sup> <sup>of</sup> <sup>it</sup>  
the <sup>in</sup> <sup>of</sup> <sup>power</sup> <sup>of</sup> <sup>artificial</sup> <sup>reductions</sup> <sup>print</sup> <sup>more</sup> <sup>than</sup>  
any other. We can appreciate London with its  
clean streets - <sup>high</sup> <sup>and</sup> <sup>dry</sup> <sup>atmosphere</sup> - after two months  
of this place, which <sup>while</sup> <sup>through</sup> <sup>looking</sup> <sup>having</sup> <sup>the</sup> <sup>appearance</sup>  
of cleanliness is just the opposite in <sup>reality</sup>.  
When you meet in a single street more mud than  
when that I remember doing any whole year in Lon-  
don. However I am now acclimatized & am prepared  
for anything. I was fortunate enough to get very  
nearly <sup>quarters</sup> <sup>shut</sup> <sup>after</sup> <sup>arriving</sup> <sup>not</sup> <sup>far</sup> <sup>from</sup> <sup>the</sup>  
Chancery in a good locality - <sup>and</sup> <sup>I</sup> <sup>found</sup> <sup>my</sup> <sup>family</sup>  
settled <sup>in</sup> <sup>it</sup>. In spite of the warning a young  
noble gave me that I would find them all  
there - <sup>from</sup> <sup>there</sup>; she may be the reliable recipient  
Two young Englishmen, one a brother of <sup>the</sup> <sup>Rev</sup> <sup>Mr</sup> <sup>North</sup> <sup>Medley</sup>  
of London & the <sup>other</sup> a Scarborough man turned up half off  
& did <sup>me</sup> <sup>some</sup> <sup>good</sup> <sup>friends</sup>. <sup>and</sup> <sup>an</sup> <sup>pretty</sup> <sup>amicably</sup>  
but <sup>in</sup> <sup>their</sup> <sup>company</sup>. The <sup>Thayer</sup> <sup>is</sup> <sup>also</sup> <sup>a</sup> <sup>beautiful</sup>

winded Park is one of the few things here worthy of  
unqualified praise & indeed is the only place  
where one can take a walk with any comfort in  
the open & sunny squares of the city and as that is  
unpleasantly so can be well imagined









## No 1 (continued)

especially in left lung the surface was  
fairly uniform colour and without these  
cancerous masses. Portions of collapsed lung  
on lower lobes, and there is a good deal of  
blood and serum in dependent parts.

The bronchi contain an exceedingly tenacious mucus, and  
some of the smaller tubes have the cancerous matter in  
them. Spleen looks natural, pulp not increased  
consistence good, Mal. corp. unaltered.


Kidneys, look a little opaque, otherwise normal.  
Liver, looks normal. Stomach contains a quantity  
of half digested food. The Cardiac end contains  
much blood. The m. m. lining of uniform red colour  
seems a little soft. Throughout the small intestine  
the m. m. presents a patchy redness due to capillary  
injection of the mucosa. In many places it is uniform  
Peyer's glands are <sup>not</sup> mapped, neither are the solitary ones  
swollen. Large intestines, mucous membrane presents  
the same appearance, no ulceration or involvement  
of the glandular apparatus, merely congestion of the  
mucosa. The Meckel's gland are a little enlarged  
not haemorrhagic.

No 1

Male pig 6-7 months old. Name on Hobby,  
ecchymoses upon skin of back flanks and ears.  
No scab, vesicular, pustular or pustular eruption.  
On opening abdomen muscles of a pale colour, no point  
of great effusion. Intestines look tolerably normal  
for serous surface. In chest, left lung is rather  
inflated, <sup>a little</sup> fluid out by incision. About 3/4 flanked  
fluid in pericard. and there are a few flakes  
of lymph in it. The surfaces of the membrane  
a little cloudy. Heart bright chambers are distended  
with blood, valves healthy, left a small clot in left  
vent. walls & valves normal.

Right lung, almost the whole of the upper lobe, and  
the ant. end of the lower is in a condition of pneumonia  
being firm, redundant & airless. The pleura covering it is  
diseased & rough. here & there ecchymotic. On section  
it appears as if small coagula masses were scattered  
through the tissue, they have rounded outlines ranging  
from pine shot to peas, opaque white in colour, and  
impression may often be seen to be in connection with bronchi  
and probably they can be regarded as casts. The tissue  
then is dark red; hepatized, in some areas

No 2,

Male pig. 6-7 months. Skin of back & abdomen also  
about ears eccyymotic, in irregular patches, the other  
cutaneous affection. Pig. much disappearing. On open abd., no  
fluid in cav. Voles look natural. In thorax. no fluid in pleura.  
Pericard contains a few drachms and a thin layer of lymph  
glues the leaves together, remaining in the visceral. The menbr are  
somewhat injected. Heart contains blood in right chamber, small  
cog in left vent. Valves & valves normal. Lungs, extremely  
collapsed, very dark in color, and the lower lobes almost indurated.  
The upper part of each lobe is of normal colour. The bronchial tubes  
contain a large quantity of mucus, and are in tubes of red colour in  
them whole tenues. mucus noticed in the mucus. On dissection of  
the trachea a singular greyish white menbr lines the entire surface  
from the bronchi, be stripped in a coat of the tube. It is thin about  
1/4" in thickness, separate can't leave a much injected surface beneath  
which looks a little roughened. This extends from the tubes of 2nd char.  
through the bronchi, lines the larynx as a thick elastic, adherent dark grey  
membrane. covers the epiglottis the pillars of the fauces, the  
tonsils and extends into the posterior nares, coating the velum pend.  
and the septum. The m m beneath these latter parts or viz menbr congested  
and of dark purple colour, the mucus glands of the  
base of the tongue are enlarged. Spleen looks natural, dark reddish  
brown in colour, pulp not increased, concave-ovoid, liver looks very healthy  
looks impure red. full blood. full. Kidneys a little cloudy, but very natural  
looking. Stomach contains half digested food. m a little reddened,  
not much special to be seen. Small bowel contains a double fluid face  
m m. not congested. Pylorus pale, not much. A few small raised mucus  
enlarged spots seen a short dist from valve looking like inflamed set  
glands beginning to ulcer on lips. In the caecum & colon are numerous  
small shining spots ranging in size from 0 . The smaller ones  
present a central white spot surrounded by a zone of intense hyper-  
aemia. The larger ones have a deep yellow central bluish beginning  
to separate in some. also surr. by zone of hypera. a few are seen in  
still earlier state where a small white slightly elevated mass - a col-  
oured (?) is seen encircled by a ring of congestion. These and <sup>small</sup> ~~small~~ m m  
in the caecum & ascending colon. The m m below these spots present  
irregular areas of hyperaemia but looks more natural. The mesent  
glands are swollen slightly, tumid but not much of at all congested

No 3.

Female by 4 months.

Large Intestine The head of the  
~~caecum~~ caecum looks dark from  
outside & is covered  
with E.C.C. The glands  
in its neigh- are of a  
dark purp. colour some-  
what swollen & on section  
the cool part is the seal  
of ~~retreat~~ - the mucous  
membran is entirely  
congested somewhat  
thickened & at one part  
covered with a uniform  
dirty membran the  
rest of the caecum presents  
a large number of  
swollen glands those  
near the head are close  
together, may have merged  
together & present a dark  
discolourization on the

surface higher up -  
the gut they are more  
isolated & present brownish  
yellow tops immediately  
above the valve there are  
two or 3 flat ulcers size  
5 cent but for 18" from  
this part the wall is  
thickened & presents  
numberless confluent <sup>appr</sup> <sup>grey</sup> <sup>sloughs</sup>  
sloughs which are still  
closely adherent to the  
tissues beneath some  
have separated leaving  
flat ulcers. for the  
next ft the intestine is  
much congested covered  
here & there with a  
dirty grey membrane  
the solitary glands are  
swollen & pure & there  
is a distinct ulcer the  
rest of the large intestine



is somewhat congested  
but is not ulcerated  
Lungs with except of  
some collapse & one  
small patch of inflammation  
appear healthy. Beneath  
the peric over the right-  
oricle is a uniform  
layer of blood & portion  
of the wall of this  
cavity appear infiltrated  
with blood the same  
condition though not  
so marked in the left  
liver an intense  
dark slate color which  
is uniform throughout  
Spleen not enlarged  
consistance good  
pulp moderate  
seen in the sub  
mucous tissue of the  
rectum in a large

portions of its extent are  
numerous hemorrhages  
the intestine looking  
quite black

Additional on No 3. Cap caecum presents a uniform grey tinge  
when adherent over an area  $\frac{1}{2}$  to  $\frac{1}{4}$ " & beneath it - the mucus is  
congealed. As far as valves mucus scatters over in the lower half with  
round clear, adherent bodies, flat dark as a rule in the center, & pale  
& raised border which passes directly over into the darkness of m m.  
The lips of some are depressed, & they lie in a shallow flat sun  
shaded & pinkish ring. Six or 10 of these are often  
merged together. In the upper half of caecum they are small, the lips are  
not so flat - and the little central trough is began in many to  
separate. A few spots are seen like swollen set glands except  
but they are small. For quite 2 feet above the valves, the m m present  
a soft leather like appearance - the whole wall is stiff and firm, it  
looks as if the m m were muffled with a very diphtheric escharot, which here  
& there is beginning to ache & lay an irregular rough, very dark & white  
surface beneath. Scattered over this area are also numerous  
patches of m m caecum. Farther on in the gut 3rd & 4th part the  
mucus is dotted over with small spots - like m m caecum, in many  
spots the rough is separating. The small intestine unaffected.  
The terminal portion of the ileum and the valves are not even muffled  
a Ray patch extends to the valves & is perfectly normal.

Case 4 Pig 4 months old. Had been ill

was very weak sluggish. Body temp. much increased. Careful inspection fails to discover any vabulous hyperemia such. There are a few Hodge, echymoses and the ears present a purplish colour. The animal was killed to death <sup>slightly</sup> blood somewhat dark but looked natural. Nothing abnormal in abdomen cavity. In thorax lungs collapsed. Pericard. normal. Heart. Healthy. Small patch decolourized spot in left vent. closely adherent to valve.

Lungs quite healthy a few patches of collapse noticed. Trachea. Pharynx & tubes healthy. Spleen a little

larger than the others. but firm. pulp not increased and one wedge shaped haemorrhagic infarct on free edge. Kidneys look healthy. Liver almost good. Whites a little pale in centre. Cerebr. and gen. appear normal. Stomach contains recently ingested food. M. M. perfectly natural. Nothing abnormal in small intest. Peyer's glands abundant, and very long. not at all swollen or affected.

In the colon are numerous patches, of a very remarkable appearance. At the ileo-caecal valve are four flat ~~spots~~ <sup>spots</sup> on the mesent. They have merged in a line and extend 3" in the length of the gut. They have a rounded apical border, a slight irregular surface, which is in 2 other places black they present a concentric arrangement. The central part is a little darker than the rest. They look like ruptured smuts flattened. int

# Histological Examination

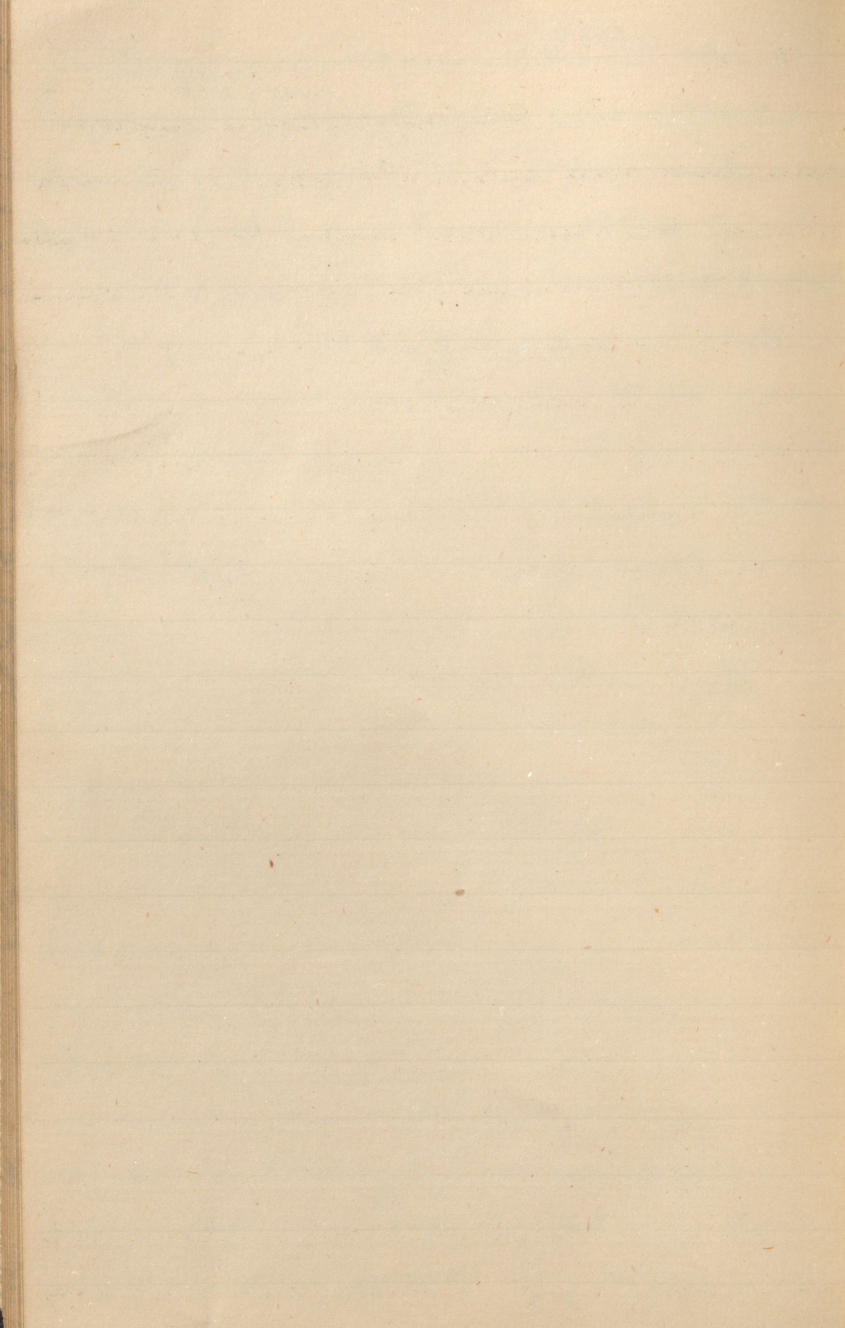
Liver, <sup>in one case</sup> ~~case 1~~ Dark slate colour. Traced portions show the cells stuffed with small fine granules, some of which look black, the general appearance is that of cells in condition of cloudy swelling. The nuclei are distinct & not obscured. Fm in the field are innumerable granules and also cells, ~~resembling~~ resembling in all particulars nuclei of hepatocytes. In certain spots the cells instead of being distinct and forming a shaggy column, appear as if merged together into a homogeneous granular mass in which the nuclei are irregularly scattered.

<sup>mesenteric</sup> lymphatic gland (case 3). Portion after one, which appears of a uniform, ~~dark~~ purple colour, show an enormous <sup>amount</sup> of blood corpuscles within the gland tissue; the lymph corpuscles are normal looking. A few giant cells are seen. At one spot near the center a collection of somewhat large corpuscles the two very granular with two corp. were seen surrounded by an irregular ~~stroma~~ stroma.

Group The peculiar carcinos material which follows the bronchial tubes in the hepatic portion of my case consists chiefly of small round translucent corpuscles, solid, looking like free nuclei and about  $1/3 - 1/2$  the size of colourless blood

compounds. They <sup>tend to</sup> adhere in clumps in teased preparation. &  
occasionally 2-4 may be seen appressed in a slightly gran-  
ular matrix, a few were noticed to have a ring of cell substance  
about them. These elements compose the bulk of the mater-  
ial in the tubes, scattered here & there are larger compounds.  
The ~~leucocytes~~ and cells of prot. epithelium x

In the majority of the cases the <sup>masses</sup> lymph glands  
were swollen enlarged & hypertrophied, often of a  
deep purple color, depending upon the extent  
and depth into the cortex.



# Experiments

1st Feb.

Saturday 7.30 P.M.

I a three months old cow pig was

white

inoculated with lymph and blood obtained by squeezing the portion of the skin - where it was ecchymotic - of Case 1 and collecting the exudate in ivory points

The same was performed in 2 places by scratching

the skin - on abd. and near groin - with the ivory point. 2d. appears all right. T 104.2. 3d. no change. cuts well strokes lively. 6th not so lively. does not come to the side of the pen. & is with difficulty stirred up. 7th huddle together. 7th a.m. T 105°. Has eaten well, no diarrhoea. Plus of urine has dried up. A diffuse cutaneous redness exists over skin of belly, it disappears on pressure. a few spots instead of circumscribed papules, irregular in outline. Cheek about hair follicles. They are then more swollen & somewhat papular. 7th is cut in flanks and in belly. 8th. away.

9th a.m. T 106.4. Skin on abd. not so marked, but one or two faint spots visible. no effect of carb. bisulph. they feed well

11th. appear very well cut & cured. One or two irregular papules, about no ecchy or blotches, or hyperaemia. T 107.

14th. T. 106.2. no change to note. animal feeds well.

17th. M. T. 105.4. animal looks ill. Back somewhat drawn up. Skin looks harsh & dry. Skin of abdomen of a dusky red colour, and covered with small slightly elevated papules. Skin of back of ears also very dark & in part ecchymotic.

18th. T 102°. Skin of whole body of a deep dusky red colour, somewhat bumpy on abdomen. It disappears in most places on pressure, returning very slowly

when the pressure is removed. Over sternum & in  
axilla the skin is in place ecchymotic. Backs of feet  
very dark. Inguinal glands enlarged, around  
dies not fed well & looks ill. Eyes lustreless.

19<sup>th</sup> M. T 102. not so red. but skin & no diarrhoea. M.M. of feet red

20<sup>th</sup> M. T 105. Not so red. Skin very hard. Lymph

gland not so swollen. Examined the blood. was in  
red coat look normal. aggrs in clumps not in def rouleaux. The colourless aff.  
somewhat increased & very a little in size. Schudtze granules  
on massed large & numerous, the under elements of them very distinct  
a few fine particles. No bacteria. Fibrin fib lot abundant. P.M. T 106°

21<sup>st</sup> M. T 104°. Redness much less, a few blotches on abdomen, but hardly  
disappears on pressure. P.M. 103°

22<sup>nd</sup> M. 104.4. Rash little marked. gland still swollen

23<sup>rd</sup> 104°  
24<sup>th</sup> 104° 25<sup>th</sup> 103° 26<sup>th</sup> 106° no rash visible  
27<sup>th</sup> 104.4 28<sup>th</sup> 104



Experiment II

Sept 1st 7.30 Pm.

a three <sup>black</sup> ~~navarro~~ <sup>old</sup> ~~old~~ <sup>serpig</sup>

was uninvolved, by scratching & rubbing in the matter, with material obtained from one of the plaques of case IV. and pierced place on under surface of belly, with material for tracheus ment of intest of case III

Pulse unimpaired after operation 100. T 106.4 (This with

two separate thermometer). Nothing unusual noticed at the noon seven o'clk until the evening of the 6<sup>th</sup> when the arm distal appears so livid & lay beneath the skin. 7<sup>th</sup> at the spot underneath of belly where above there is an elevated swelling somewhat flattened on the top, not at all inflamed, about 2" from it towards the right groin is an oval swelling, the size of a small plum, looking a little bluish, & feels like a swollen lymph gland. The other spot on the groin presents itself, any signs of reaction. A faint, just perceptible redness noticeable in abdomen, and on inner surf of arms, are a few small papules at end of hair 8<sup>th</sup> 9<sup>th</sup> T 105.4/5. where no cutaneous swollen. Redness has disappeared papules more marked. Feb. 10<sup>th</sup> 11<sup>th</sup>

11<sup>th</sup> Side of neck marked by a flat tubercle swelling one or two papules on flank, is by pericoma a scabrum appears quite well T 106.3

14<sup>th</sup> T 107.0. Little change. Side of neck marked by elevated spot, and a lymph gland in right axilla

17<sup>th</sup> T 105.4. Skin little if at all, injected. Lvs not affected. Inguinal glands enlarged and also one or two, a inch post. to the navel.

Animal looks tolerably well

18<sup>th</sup> T 102.3 Not nearly so much affected as the other skin a little by pericoma. no papules. Inguinal

glands swollen and hard.

E T 103. Gland swollen as before. some on tonsils  
not much other symptoms

19th M. T 101.3. Caudal about same. E T 104

20th M T 103°. Very little redness. P M 104

21st. A M 104 / P M 103.4

22nd. A M 102. does not appear very ill

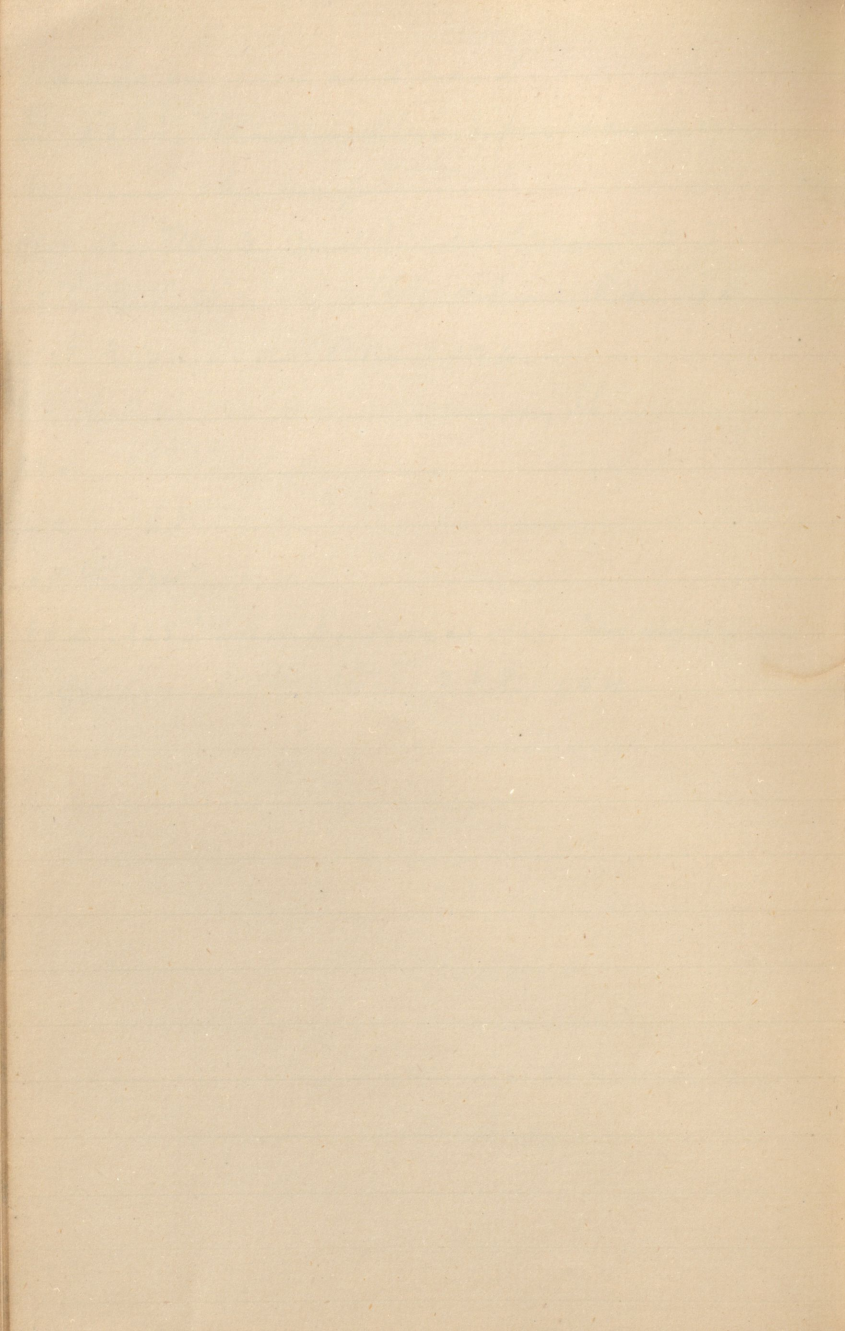
23d 103.5°

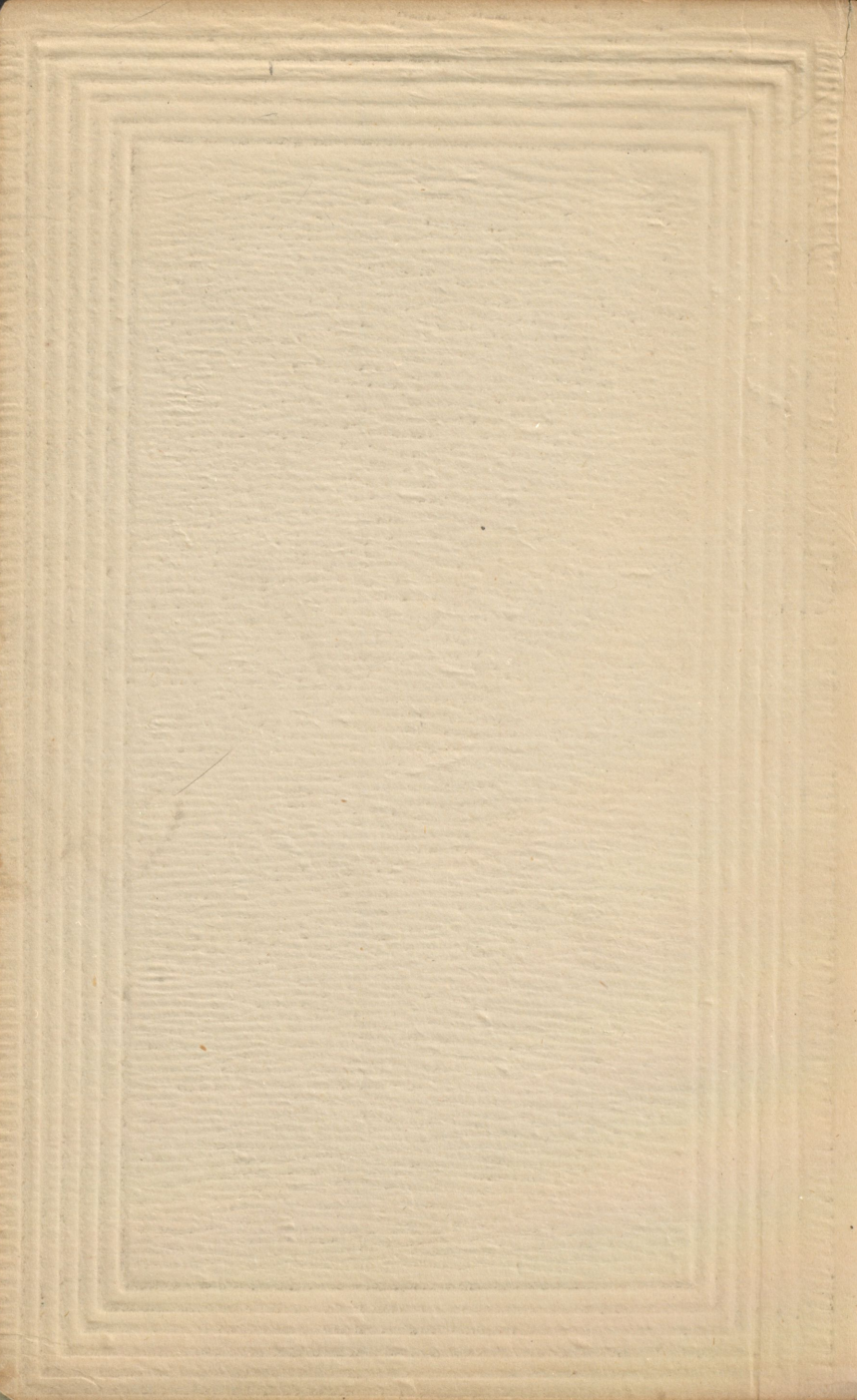
24th 103°

25th 104°

26th 105°. does not appear so well has slight prolapse  
of anus. 27th 104. 28th 104.







# Erste Vorlesung

Übersicht f. en. u. fr. (Übersichtlichkeit)  
Berichtigung f. en. performance. Ver. sein Gebot.  
Wen. avr. t. do. perform  
Thätigkeit. actual. (im act.)  
Augenscheinlich, evident  
Verlangen avr. to ask demand, deun. long  
Sorgfältig (Sorgsam) careful, sollicitum  
Krobachtung f. en. observation  
Anwendung, application, employment  
Zart. tendre delicate  
Hilfsmittel, appliance, remedy  
Entdecken t. discover.  
Offenbar manifest evident  
Schlaf (m. es. pl. e.) sleep out.  
(Schlaf brennend, narcotie)  
Glied (m. es. en) limb member  
Unbeweglich. immutabile  
unwunderbar t. wonderful  
Ununterbrochen uninterrupted  
Heben (hob. g. hoben) lift, heave raise  
Senken t. sink (t. lay plan)  
gehören. to belong appartenir, to require  
(As. g. hobt sich t. i. f. t.)

Pulsschlag f. pulsation, Pulsader, Arterie  
Ader f. artery. (Pulsader, puls) (Zun-  
geklappen & bleed, Aderlass bleeding  
weite f. wideness  
Uebersingen (uebersingelt) to convince, argue  
Ausathmen to breathe out  
vorgehen. to go before. to happen  
Entfernung, distance  
Anpassen to fit to. to adapt; accom-  
verhalten to keep, back, restrain, to be, to beha-  
vingen to stir up to excite  
Bestandtheil, an constituent part, elem-  
Zusammenhang. to be connected  
zusammenfassen, carry together, to shrink  
Schmerz, pain. - stillend, anodyne - voll, pa-  
Lafen to let. (Lafes geben, non-mud)  
(das Wasser lassen to make water)  
Schlussfolger, conclusion, Logic  
Hilfsquelle f. resource expedient  
Reinheit f. fineness, delicacy  
Thatsache f. matter of fact, fact  
Erfolge (Erfolge, Erfolge) succeed, prove  
Ursache simple, plain  
Verwickeln to entangle, to complicate  
Ausführen to lead out, carry out, execute

Betroffen, in + concern, to touch  
Umrisse m. outline sketch  
Gelegentlich occasionally, incidentally  
Nothwendig, necessary, needful  
Gegenstand(m), subject  
" " wartig present  
widmen + devote, dedicate  
Wahrnehmen + perceive, observe, take care of  
Beschaffen + procure  
Prüfen to try + examine  
Versuch of experiment  
Unterwerfen to submit to  
Vorstellen + place before, represent  
Genauigkeit f. accuracy, exactness  
Wägen + weigh  
Indem, while  
Beträchtlich considerable  
Kraft strength force vigor  
Wenigstens at least: - in fact  
Gewicht- n. <sup>wight</sup> importance  
Schritt m. step, pace, Schrittweise step by step  
Maße f. quantity, multitude  
Gewiss certain sure  
Beweis m. proof argument  
Ferner further



Stricken to work spread & pass  
Niederschlag in präzipitate  
Hohlensauer Carbonic acid Carbonate  
Wirken & effect operati cause  
Nachweisen & show prove  
Vorhandensein to exist. vorhanden (ad) at hand  
Aufweisen to show exhibit  
Stammen & original spring from (head from)  
gestand substanding. operation  
Dauern & continue  
Aussehen to not appear  
Erzeugen & generate produce  
Fortwähren & continue  
Entwickeln & unfold develops  
Verlust loss damage  
Stellend in place position  
Ding n. s. s. thing. (Unter Ding sein to be messy)  
Unbegrenzt unbounded, unlimited  
Zusammenschrumpfen & shrivel  
Wirkung f. effect operation  
allmählich gradual  
Bemerkung, demeritation, (Erscheinung)  
Gebiet nach imperious  
Empfindung feeling perception

Bedürfnis (n) want, need  
Befriedigen + satisfy  
Befähigen + enable  
unbestimmt indefinite  
Durchaus ~~throughout~~ <sup>utterly</sup> thoroughly  
versuchen to provide (to attempt an error)  
Bereiten to suffer, undergo - to amount of  
Begriff any, some  
Gestalt (f) figure, form, shape  
Vorfahrung (f) adulteration  
Zusammensetzung, + compound  
Sauerstoff oxygen  
Stärke mehl starch flour <sup>refs</sup>  
Nahrung, Nahrungsmittel, food, foodstuff, <sup>base</sup>  
(Nahrungssaft - chyle)  
Pfeifen, agreeable, seasonable, fit  
Einkommen to take in, receive  
Verbrauchen to consume  
Auswurf, expectoration, excrement  
Zustand (m) condition, state  
Gemischen to mix  
Bedingung condition, stipulation  
Ausehnlich, considerable  
Fast (adv) almost, nearly  
Harnstoffs urea

Feststellen to get determined  
Auswerfen to throw out  
angehen to go round, to surround  
aufzählen to enumerate  
Genau close accurate exact  
Entsprechen to answer to, to correspond  
Beweisen to prove  
Fortwährend continually  
Abgeben to deliver to pay  
Ausgleichen to equalize to balance  
Wäge of balance scale  
Zwischenraum (m) interval  
steigen (steig gestiegen) to ascend  
Durchschnitt average  
Schwanken to stagger to fluctuate  
Umsetzung to set to move, to settle, transit  
Haushalt. housekeeping, economy  
voraussetzen to suppose  
erreichen to reach attain  
Leisten to do, under perform  
Durchleben to undergo, develop  
Unbedingt unconditional unlimited absolute  
Befundlich (adj) to be found  
Last-f. load burden  
Boden (m) ground, soil. -Kammer farm

Anströmung //). 2. certum  
Bestimmul. positive certain precise  
Betrag, amount sum total  
vergrössern to enlarge to increase  
Angewiesen, conformable suitable fit  
Zuschuss, addition contribution  
Zufuhr to convey, supply  
Erfolg (in), consequence success  
Entwickeln to expand, to develop, to happen  
vermindern to diminish  
Wannentwicklung, product of heat  
Herabsetzen, lower, degenerate deprecate  
benutzen to consume  
Angewiesen, conformable, suitable fit  
Fortwähren, continual, persist to last  
Zusammensetzen to compound  
Verhältnismässig, proportionate  
Fortdauern, continual lasting  
Zersetzen to decompose  
Gerade straight direct  
Verhältniss relation, proportion  
Kraftmenge, quantity of force  
Erzeugen to produce generate  
gestaltl. / pers. form shape  
Betrag, amount sum total  
Leisten to do perform

Steinchen chimney, flue - sept. c. unsp.  
Betrachtung f. consideration, contemplation  
Aufgabe f. problem  
Ausüben to exercise practice  
Zufallen fall in pieces  
Einfach simple plain  
Kumpf. trunk, barrel  
Hornschale : pratin-pau  
Schädel, skull  
Bauch m. belly, womb  
Gelenk n. joint hinge, adj. pliable supple  
Leichtlich visible perceptible  
Äusserlich exterior, external  
Gleichmässigkeit, equality, equalness  
Aufweisen to show forth exhibit  
Schenkel, the thigh  
Eiche f. oak - spitzer tip toe  
Vollkommen perfect, complete  
In der That indeed, in fact  
Ähnlich like resembling  
Eingründe n. interstices  
Zweireitig bilateral  
Nackten flache, back, part area  
Genau close accurate  
zähe tough tenacious

Laube f. column pulley. post.  
Hervor h call

Zimmer to separate  
Eng. narrow close tight

Raum m. space room

Unmittelbar direct immediate  
Verbindung connection union

Enthalten to contain to abstain from

Strang (ny) cord rope string

Nucleus (n) spinal cord

Wesentlich essential real (for) Wesen substance being

Annehmen to make up to settle decide

Unterbtheilung subdivision

Bemerkenswerth remarkable

Thiel partly

Zwerchfell (n) Diaphragm

Veräunung canal digestive canal

Reihe f. row rank file series

Nier f. kidney

Fast almost nearly

Schlundkopf Pharynx. (Throat top)

Dantellen respondent

Erweiterung extension

Magen am stomach

Andeuten to signify indicate

Buchstab n. letter. type

Querschnitt. transverse (cross) section

Münden to discharge

Betrachtung. consideration. contemplation

Boden n. ground soil. bottom

Dach n. roof

Senkrecht. perpendicular

Scheinbar. seeming. apparent

bestehen n. upon. depend upon

Ausnahme f. exception

Verzweigen to ramify

Flüssigkeit. fluidly. liquor

Refass n. vessel

Fest. adj. fixed. firm solid

Anordnung. ordering disposition

überlegen to reflect upon to consider

zerlegen to take to pieces. to dissect

fähig tough tenacious

Einwickeln to wrap up. involve

überzeugen to convince to convict

erleiden to undergo suffer. submit. consent of

Schicht f. layer bed. stratum

Schuppe f. scale. scurf

abwerfen to cast off

faserig. fibrous filamentous

verletzen + hurt + injure  
verursachen + cause  
Empfindlich sensible (Empfinden to feel) perceptible  
Verrichtung (ten to do) thing, performance  
Oberfläche f. surface, superficies  
Ablösen + loose unite. + gum loose. + peel off  
Kand m. edge brink border  
Aufhören + cease + discontinue  
ersetzen + repair supply  
Münder less small (jährl. underage)  
Kleber gum. Klebens viscos. glutinos  
unmittelbar immediate direct  
Zärtlichkeit delicacy  
im Grunde in truth  
umgeben + surround surce  
Entsprechen answer to corresponds  
Hauptstück chief. essential  
Leim glue. lime  
geben + lair  
Scheide f. sheath, Scheidewand. Chemik  
Knorpel m. cartilage gristle  
Eindringen + enter by force + penetrate  
vollständig complete  
übrig remaining in übrigen as for the rest  
Schnee f. snow tegelov  
Bänd usament



fast almost nearly  
Erlangen to acquire obtain nach  
Fertigkeit firmness  
Dichtigkeit density compactness  
Wichtig important

Einwickeln wrapped up  
Bassin v. to better, to visit. (non m.) visit  
Anfassen to seize lay hold of  
Anschwellen to swell up

verschwinden to disappear. vanish  
Hülle the cover, veil

befestigen to fasten  
Schulter f. the shoulder

Eigenthümlichkeit, peculiar, .

Ausdehnung f. extension

zugleich at the same time, at once, withal

Abnehmen to decrease diminish

Ursache f. cause reason

Einflüssen to influence,

Reiz m. (stimulus) stimulus charm

Wirkenschaft f. quality nature

Gegenüber (v.) before

Hebel m. lever

Anwenden to order dispose

Stützen to support. (also emp. support)  
Stütze m. emp. support - barben, muscheln

<sup>triplen. a post</sup>  
Licht - light close, compact. - an. close by  
Zusatz m. additum. codicil  
Kontinuum & pelvis  
Ligamentum flexibile

Indeem & separate  
Ursprünglich. original primitive  
Wing - wing, remaining, im Wingen <sup>the rest</sup> as for  
Steig m. battals, fundament

Gürtel (m.) girdle. belt  
Schulferbein. scolla bone

Kecken (n) basin. cymbol  
Erwachen. or. to grow up. adj. full grown adult-  
Zerlegen. & disjoin w. up. dissect.

Scham f. shame. - gleich. genital.  
Knie n. knee. - scheibe f. knee pan

Hebergus care cover  
Heberziehen. & cover to lay over  
inhorn to move. etc. Kultur f. chamber

Schlüppig slippery. obscure  
Absondern & separate. & secrete

Salb f. salve. gree. ointment  
Schwerpunkt m. centre of gravity

Ergebnis n. the result -  
Zusammenziehung f. contraction  
Gegensätzlich. opposite. mutual

Stechgewicht, Gewicht, symphonie  
Stütze f. prop. stay, support-  
wäpfer + last, pantaine  
Wade f. calf (of the leg)  
Wohn (a) before, in the front  
Straban, stove; + mit-  
Lungen + hand

zusammen together, at once  
Lorenz, thence + that, u. If kaum nicht - <sup>une of it</sup> I cannot  
Wirkung f. operation effect  
Aufleben + save up, lift up  
Lack (n) hair, pelvis  
Konstanten + reflect upon  
Einnahmen + take in

Genoss close, straight, intimate, accurate  
Abwägung + weigh out, proportion  
Jugend some, members, perhaps

gütlich violent, vehement, eager  
Erfolg (m) clap, stroke, blow  
Entstehen + begin, arise, spring  
Moufflos powderless

Erstoffe as dark, loose, flabby  
Lageplan to happen to meet  
Lernplan + touch, handle  
Wannplan to cause, occur

Empfindung f. shaking. quaking  
halten & suffer to bear  
Lebenszeit circumstances, human

Erholen & pick up - & recover, & repair  
Zufügen & bring upon to cause  
Einfluss m. influence

Ausüben & exercise, practice  
Griffen spiritual intellectual mental  
Erregung, & agitation, agitation

Geruch m. smell, scent, fragance, savour  
& Geruchbringen & produce & procreate  
Zusatz conclusion.

Handhab<sup>m</sup> the intellect, understanding  
Unmittelbar, immediate

Erforschung f. search, inquiry  
Wankeln & hunt, inquire, & revolve  
Trotz (m), dar seem, & in & dar. defy. - dem although

Vorgang precedence, example occurrence  
Empfinden & feel perceive

Erzeugen & generate, & beget. & produce  
Eigens own, peculiar proper

Dennoch yet nevertheless

Leistungsfähigkeit & survey control  
Zücken & show, to stir, also Orffeln - & show  
the shoulders

Lehrbuch der Buchdruckerkunst  
Kauf f. von. rank, series  
Lithographie along  
Lithographie lead  
Lithographie f. injury  
Lithographie f. crush, squash  
Lithographie f. the direction, management  
Lithographie to arrive at  
Lithographie able, ability  
Lithographie influence  
Lithographie to change convert  
Lithographie to endure, experience  
Lithographie to produce, generate  
Lithographie condition, quality  
Lithographie to excite stir up  
Lithographie f. circumstance condition  
Lithographie proportional  
Lithographie to cause  
Lithographie f. oscillation vibrations  
Lithographie, relation reference  
Lithographie to support  
Lithographie to enable  
Lithographie conformity  
Lithographie to comprehend, to shut, lock &c.

Handbrosch. consumption  
Fehlensgen + acquire obtain  
Ausfouderren + separate  
Lothpore matter effect. fact.  
Hilfswort + spread. diffuse

Einwickeln. circulation  
Aufspüren to spot bad out  
Anhang (m) appendage  
Zerbrechen to crush. break  
Zerlegen to decompose  
Hornstock (m) horn stock. provision  
Formieren to renew

Auflösen to dissolve  
Zurückhalten to wave. to <sup>be</sup> suspended  
Roth, hat mir nicht  
Vertheilen to distribute

Abkömmling (m) offspring, descendant  
Kombination f. combination, conjunction, connection

Zwischenraum. interval, interstice  
Zurückwärts (adv) by starts, pushes  
Zurückgehen to proceed backward  
Durchdringen to penetrate, to pass and  
Unzählbar innumerable

Aufsetzen to put on to establish  
Stossen thrust, push

Überfließen zu punk out, eliminate  
Dampf, other. otherwise.  
Überfließen. utmost. extreme  
Geringe little, small mean low  
Tadel white, white.  
Haushalt. home-keeping. economy.  
Überfließen. sweep. cleaner  
F. Winkel (m) angle, corner, nook  
aufpassen to see upon  
Einnahme take possession of  
Wandlung f. combustion  
Werkzeug apparatus. active  
and  
unförmig, incessant  
Geförig, belonging to, proper.  
Geschwindigkeit velocity, swiftness  
örtlich local.  
Mangel want lack. deficiency  
Wartung providing for. maintaining  
Beständig constant. steady  
Erwerb f. business. occupation  
Wandlung f. unite. to be. things  
Zugabe to add to. join.  
Fremden to mention.  
Anderen exercise. execute  
Wandlung the desire longing for

Uebasjydan to distinguish, discern  
Kumbatken jaw-bone  
Abmepen to proportion adjust  
Dunymeyban diameter  
Mittalboon mediate indirect  
Liffan. hitherto, till now  
Amdantun to signify to intimate  
Quosmayan to make out, to settle.  
Dowast, pretty  
Lanfolyan to issue, vent  
Lowsatyan to repair supply  
Mawpysanting probable, likely  
Sufboon unable, perceptible  
Anqanuyban conformable suitable  
Lanfoltung; maintenance support  
Lantwastad to lead in, to enter to happen  
Uunfoony, event, extent  
Wanlyyung, injury, hurt  
Lwound, burning, combustion  
Lwnewwony renewal, renovate in  
Lyanpallen to restore  
Kawpysandann to drop, to vanish  
Wanbooyan criminal  
Qamaltboon violent, powerful  
Wanoystung, poisoning



Opuscul n. neck. nape  
Garnmorsbräu + trunk full. + appear  
Lustbarkeit, choking suffocation  
Lustwunden + strang  
Lustwunden the demand  
Lustwunden to stop  
Künstlich, artificial  
Wirksam, efficacious, effective, active  
Umformen to form anew, to transform  
Lustbar, soluble

Opuscul, basis, base.  
Lustwunden, curiously, possible

Staub m. dust powder

Gastwirthschaft + dispense

Wanderung, migration

Reisepflanzen to stretch, expand

Erfindung to device, contrive

Wasserspeicherung, collection, probably

Sammeln, collect, gather

Tonnenkraft, sun-beam

Umschreibungen, penitenti-

Ganzstellung, nursery

Wasserspeicherung to entrance, desert, desert

Eingefahren to enter, traverse

Mischung, color, I find myself mistaken I have not yet taken any

Zusatz Howlesung

Enge clove narrow  
Laufröhren tubes interest  
Münden to discharge  
Kroppig, meshy.  
Offenbarlich, spring  
Wandflächen then; connect with. ground  
Auftrag, phable flexible. (textur)  
Menschen provide, connect with  
Einloggen to quarter below  
Dammwerke to fluctuate, vary, class. heritals  
Düfung f. Kunst. work. man  
Mansford, sometimes  
Aufsicht abrad. without. ground  
Lammof. get notwithstanding  
Tafeln to work mine.  
Aufsch. in. contents  
Kaufszug to purchase. to consider to own after  
Lubingam to constitute.  
Erfindung considerable  
Aufsicht zu carry out. see ante  
Quers. cross across. oblique  
Anfangsb. without  
Tafeln f. sheets  
Wandwerke betrieten. to contract, to narrow

Nothing actual, in fact  
Nan. Gongan to provide for  
Laptemmum to fix, determine & under  
Durofongoy in the passage  
Nan. Gongan to bar, to block, to obstruct  
Lalounga to reach, obtain, baguise  
Dagrogan against this part, in return  
Influx <sup>(in)</sup> influx affluence, supply  
Anodafunoy of tenability of passage  
Anflossan to let open,  
Mudaw " " to let down

Deflank. of stern flood gate  
Lamioyban. to water, to irrigate  
Kawoykifan to compare, to relate and  
Jusioy <sup>(in)</sup> branch, bough, twig  
Lanobifan to proceed from, to originate from  
Anobildan to cultivate, to perfect  
Anobinowdan. accident, chanced  
Gawwan, pull to tug  
Gurogagan, on the contrary  
Nan. Gongan at hand, to launch & using  
Renftan to direct

Entozogampatzan to oppose  
Nuffun, direction  
Ostattan to allow permit

Handwritten text on lined paper, appearing to be a list or notes. The text is written in a cursive script and is mostly illegible due to blurring and fading. The words are difficult to decipher but appear to be a mix of German and possibly Latin or French terms. Some recognizable words include "Handwritten", "to show", "demonstrate", "Entloosen", "than", "strip", "Abnehmen", "to take off", "to lessen", "to diminish", "Entlang", "along", "Rückwärts", "backwards", "Lieber", "to offer", "to bid", "Waffen", "to provide", "to see", "wring", "to comminute", "Bottung", "of", "Rind", "sort", "Abort", "to abort", "to come before", "to happen", "occur", "see", "Entscheiden", "to decide", "to determine", "Gleichfalls", "likewise", "also", "Krankheits", "newly", "lately", "Handwritten", "to show", "to prove", "Wirkung", "effect", "as", "an", "impediment", "Krankheits", "branch", "ent", "rampy", "Wirkung", "complicated", "Ergebnis", "of", "pour", "out", "to discharge", "Opium", "in", "common", "Ergebnis", "to come at", "attain", "to", "Beitrag", "contribute", "Krankheits", "intestines", "Abnahme", "decrease", "Wirkung", "decrease", "Ergebnis", "to flow away", "Ergebnis", "with", "small", "stimulation".

Kapseln, & turn, & turn, & unceasing  
Einflussen to lock in. to include  
Kleben to stick to, to glue  
Lücken loose, light, derivate  
Munfellen to envelop  
Tafeln to suspended, to wave  
Inwendig inside

Abstandswand f. Partition wall  
Absperrung to preserve, to observe  
Abfluss, overflow, unpile  
Ablatt smooth, Aplatz bald head  
Anstärken to strengthen  
Anfertigung to partien to furnish, to strengthen  
Göße long tenacium

Wirkung, preparation mechanism  
Zettel tip, end - mütze nightcaps  
Zahn zinn, nerve, string

Eröffnung f. elevation

Zackfen m. pin, peg, tap bung

Zwängen (Zwang, Anzwingen) f. to force, constraining

Zwischen f. fall upon to turn out, prove, proof

Obenwärts to step, to will with hand to rest

Obenwärts upwards

Obligat soft mild, smooth

Obenwärts therefore accordingly

Wormigen be able to have the power  
Wormenlassen to occasion to cause, induce  
Gleichzeitigkeit simultaneous  
Wärmere ~~to~~ endure heat. Mörser to keep, <sup>20</sup>pr  
Eröffnungs dilatorum  
Künstantoff. Knowledge. nota.  
Lage situation site, layer stratum  
Lageplan happen. to chance  
to streben to strive, to struggle (in) an effort  
Jaffoff shall. were. lay. flabby  
Riffelstein & terrible  
Erstehen (sch. gefehen) show. push. put in, to throw  
Dorüber over. past. pushed. by  
Derlauf (m) embedding. operation, course.  
Entstehen arise to break out  
Kleinheit (s) to small steep. esp. (1800) wif. gemessen. to give ground  
Riffelstein, to raise up the. to abolish. around  
Ragen to project, to shell out  
Aufkommen to strain to stretch  
Vorkaution f. precaution  
Werkzeugen that. work. to trust  
Dankbarkeit present offer  
Ueberrunden to conquer overcome  
Dankkraft.佩服心  
Reinigung purification  
Früherer Caspers. slushiness

Einladung <sup>+</sup> to be evident  
Mittels, Mithras, why, wherefore, for wh. reason  
the ~~best~~ the unnecessary  
Königstein to yield to grant  
Umschwung to overcome & conquer  
Ordnung <sup>+</sup> asunder, divided, separately  
Leisten to do to render, perform  
Erfolg <sup>+</sup> to relate, what  
Fortpflanzung to transplant, to transmit, propagate  
Wahrnehmung perceptible  
Umwelt stuff, invisible  
Wahrnehmung generally, altogether  
Insbesondere especially, particularly  
Erzeugung of generation  
Anzeige to mention  
Wahrnehmung to augment, to multiply  
Aufheben to store up  
Erzeugung, bezeugen, tauchen  
Wahrnehmung finally  
Erzeugung, effusion, ejection  
Wahrnehmung to understand, to hear, perceive  
Wahrnehmung to happen to chance  
Wahrnehmung dull, dumb, hollow  
Wahrnehmung opinion  
Wahrnehmung in a book, and so - a happily

Nebenamtstunden Tage  
 Jaffe. the. - beyond connect the better  
 Zählweise the temples  
 Zählungszug. oscillation. vibration  
 Organentwicklung, reaction  
 Entsetzen. to arise. to break out  
 Allerdings. the sun, indeed of course  
 Anspornen & ermahnen. to inspire  
 zu stellen. to impart. confer  
 zu erhalten. to obtain. to aim at  
 zu verzögern. to draw. to spoil. to delay. to long  
 zu verhindern. to prevent  
 zu vertreiben. to distribute  
 zu zerstreuen. to melt. pure dissolve  
 zu erlangen. to result  
 zu öffnen. to open. blank open  
 zu erhöhen. to increase. augment. to heap. to board  
 zu unterstützen. to maintain. support  
 zu vermeiden. to diminish. lessen. to shun  
 zu führen. to lead; to command; quote. cite; cheat.  
 zu führen. leather pipe  
 zu tragen. to wear. to wear. to wear  
 zu vereinigen. to unite. to stipulate  
 zu betreiben. to be by. undoubtedly. by the by  
 zu vermeiden. inevitable. such. inevitable



Handwritten text in German, likely a list or index of terms. The text is written in a cursive script and includes various words and phrases, some of which are partially obscured or difficult to decipher. The text is arranged in a vertical column, with some words appearing to be part of a larger sentence or list. The words include:

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Exposition of. if any indulgence for bearing  
Exposition to help. to hold  
De Jutta Howlapping  
Lupa. f. a magnifying glass  
Dynam. f. ching lace. cord  
Muskell. t. und. wrap. roll swathe (a kid)  
Howlapping. cautiously.  
Lumbar. f. to keep. preserve  
Dynam. f. to convey. to treat. proceed. manage  
Tribal. f. desk. plane of glass. honey comb. etc.  
Fleshy. spotted  
Dynam. f. to be suspended. to wave  
Dynam. f. to bend. to incline. to bow  
Of all wanting. gelatinous  
Dynam. f. addition  
Dynam. f. to coin  
Dynam. f. view. consideration. respect  
Dynam. f. to sleep over. to surmount  
Dynam. f. to present. to offer  
Dynam. f. to sign  
Dynam. f. plant. flexible  
Dynam. f. n. treatment. proceeding  
Dynam. f. black. species  
Dynam. f. density  
Dynam. f. dissolution

Eröffnung <sup>heute</sup> ~~to~~ conclude. sich- ~~to~~ <sup>to</sup> ~~empfehlen~~  
Zettel f. card, cover  
Offenbar as it were, as if  
Erstmal ~~to~~ stick, cleave  
Ergeben ~~to~~ appear to, to happen, to promise  
Ergebnis f. res. statement, reference  
Ergebnis. condition. (verb. to cond. <sup>to settle</sup>)  
Ergebnis ~~to~~ descend  
Ergebnis ~~to~~ burst open. to blow up, to explode  
Ergebnis. essential, real.  
Ergebnis ~~to~~ execute, perform.  
Ergebnis. generally, in general  
Ergebnis (adj) to be found.  
Ergebnis. in creation  
Ergebnis ~~to~~ remain, in - as for the rest  
Ergebnis ~~to~~ incline.  
Ergebnis before to think  
Ergebnis ~~to~~ endure last, ~~to~~ <sup>to</sup> keep possession  
Ergebnis. see as usually  
Ergebnis. diminutive petty, small  
Ergebnis ~~to~~ fall of fire's  
Ergebnis ~~to~~ hasten, to accelerate  
Ergebnis. the influence  
Ergebnis ~~to~~ set down, depend  
Ergebnis (verb) the behavior, conduct (verb) to keep track

Rifmsprung to exhibit. produce  
Abzug m. the deduction  
Zunehmigung to bring in  
Rückf. f. red. wound  
Lebensdauer to hasten accelerate  
Hinzögern to retard.  
Zeitpunkt periodically  
Festhalten to appoint; fix  
Pasföng due proper.  
Dwält (m) worn, thread  
Abgezogen apart from. . . from Abgaben to work away for <sup>to abstract</sup>  
Unsprung. unscumble. absurd  
Annahme to accept. receive, assume cuppe  
Ausgesetzten to event  
Ubersprung. overshun riss  
Theorief. verbally. literally  
Levolkierung, population  
Jösa. tough venacious  
Opfslust (n) sex. genus name family  
Zufällig accidental. casual.  
Ogav f. trace, track footstep  
Jungfrau. maiden  
Lunnenanwörter. spring water  
Entwässerung escape.  
Haggen brave  
Anziehung attraction

Locken. love,

Massung f. the performance doing

Dirken t buckle to drop

Itaww. cliff numb ~~VLESTENORLISUNG~~

Erzeugnis f. product.

Austausch. m. barter exchange

Warenlager to supply provide

Opposition. contrast opposition

Unsicherheit. fluctuating uncertain

Goldbar. to pay for. be worth. to cost. private

Warenwert <sup>en</sup> to revenue engnes

Export m. compensation, or

Prinzipal. principle. axiom maxim

ὁ πολέτης θαυμάζει τὴν σοφίαν <sup>σοφίαν</sup> κείνου  
οἱ πολέται θαυμάζουσι τὴν νεανίᾳ σοφίαν  
ὁ σκύθης θαυμάζει τὴν ὀρεστροφίλιαν  
οἱ σκύθαι θαυμάζουσι τὴν Εὐριπίδου φιλίαν  
ὁ μαθητὴς ἀναξαγόρου θαυμάζει τὰς σοφίας  
οἱ μαθηταὶ τῶν σοφιστῶν θαυμάζουσι τὴν  
ὁ εὐριπίδης τὴν σοφιστῶν μαθητὴν τὴν  
ὁ κερκίρας τὴν τούριον μαθητὴν τὴν  
οἱ μαθηταὶ τῶν σοφιστῶν τὴν Εὐριπίδου σοφίαν <sup>σοφίαν</sup>  
οἱ μαθηταὶ προταγοῦν νεανίας τῆσαν

