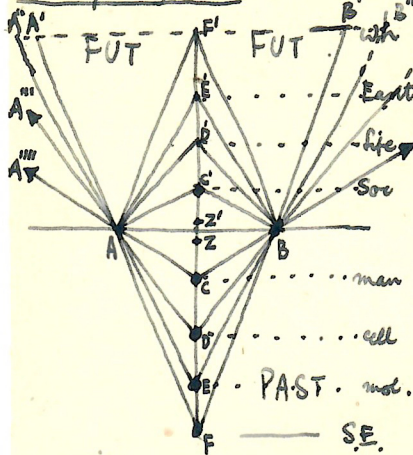


Spacetime Shrinks
Contemporary Events



⑥

Seen from C, A & B are unified in C'.

Seen by you as a man, A & B are men, & come to unity in Soc.

Seen by you as cells, A & B are cells & come to unity in Life.

See how space is shrinking from A''' & B''' , to $A'B'$ which is really nil. In the limit A.B is 0 when $Z-Z' = 0$.

This situation arises when you take up a position between A & B in line with them. Then the space between them is 0. It is 0 as you return to 0 distance from them.

Between them is 0. It is 0 as you return to 0 distance from them.

The Spaceful, extended, world does not lie at the Centre after all, but
here in your Soc-man I lurk, at the centre of it. And space
gets less & less, or more & more gets packed into the A.B. field
the more advanced $\rightarrow$ the level of yourself.

This space we construct & push out around ourselves much as
a squatter clears a space for himself in a jungle.

Exactly so with time. We separate A B in space & therefore
in time. It always takes space to separate in time, & time
to separate in space. A & B are separate in your space-time
here, but together in the space time of your prospective view
of what is beyond. As men they are one in Soc, as cells they
are one in life, etc. etc.

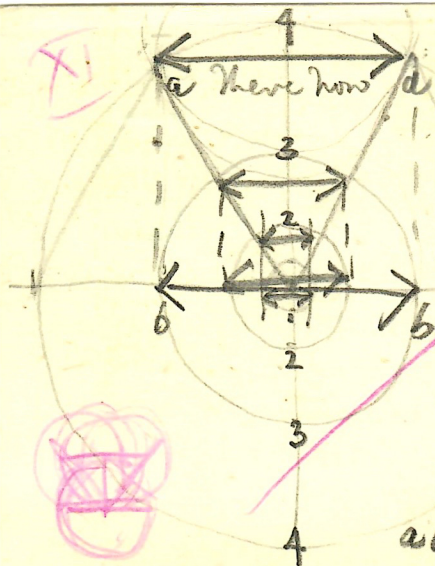
Then we have solution of the difficulty about the futurity of
T:U wholes. It is the space time elbow room we construct about
ourselves which cuts us off from the condensed space time of the T.U.

④

The whole of level (3)
is included in the now
of level (4) $aa = bb$
The whole of level (2)
is included in the
now of level (3)

When I think of SUN I
include all its structural
time.

aa of level 4 = bb of level 3



Law: $\frac{1}{2}$ Structure time of level = $2 \times$ Light time

? of next level,

(Earth)

(SUN - Saturn?)

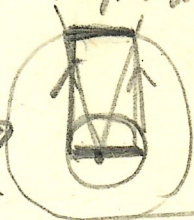
?

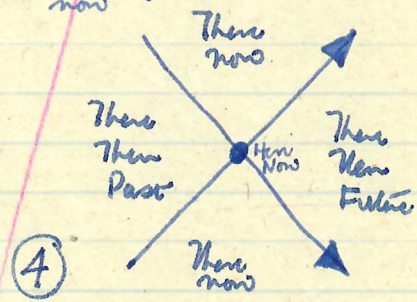
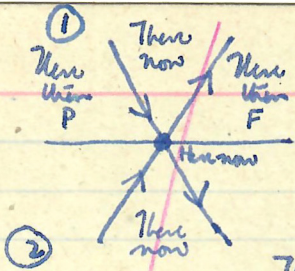
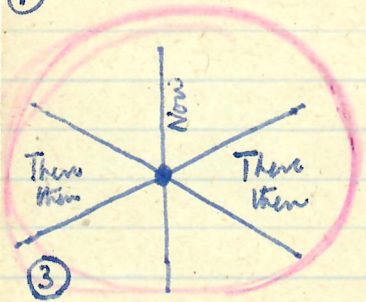
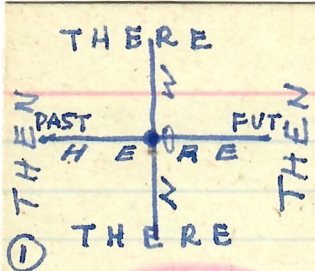
12 hours = 2×6 hrs.

SUN

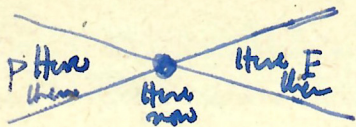
250 years
2

When I am operating at any level
I see movement of units of that level, but
the whole movement of units below that level is included
in my vision. This is SP. SP necessary because of
this. SP is frozen time.



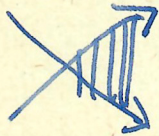


April 23/47
O joy!



As there is ambiguity about the ~~time~~ now increasing as it recedes, so there is equal ambiguity about the here then.

In my past I am distributed & in my future I am distributed. Yet I am gathered together nowhere in both instances.

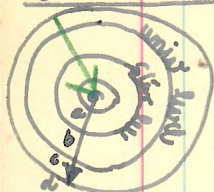


To realize this distribution is the great thing - it is not a disadvantage but the essence of traffic between pairs.

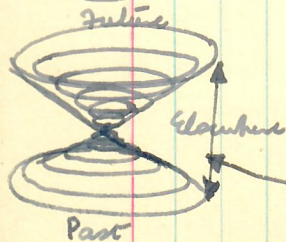
XI XVI XVII

June 46

Organisation of Space — Time



Levels a b c are later in time (in case of d some millions of years later) than centre; or earlier by similar periods.



Not only is $\odot$ a sphere, but, in the 4th dimension, it is a ∞ double cone as well

At any one time there is no star, nebulae
now etc: these lie only in your past

& in your future. There is no you at all at an instant.
 And it takes time, $a.b$ for you to be at levels a &

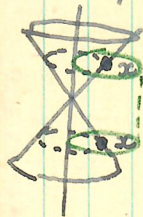


$b.b.$

all.

You are literally nothing now at

all. If now what about the other
 moment in your space, envisaging you as inhabiting
 that space. He is at x . But he lies always past/future



of you. And you split him. He is
 now-existent now, not in past & future.

But as you grasp him so do you
 grasp the time & it takes to compress
 his level.

17 21 22 XIQ

Space & Time ① Far in space is future in time. Omnipresence is omni-temporaneity. God's present includes all presents. With us HERE = NOW, & THERE = THEN. With God all is Her-now.

② Food in my spoon is future to me out there, present on my tongue, ~~future~~ past inside me. Yet according to the clock, food is on my spoon at 7:45, on my tongue at 7:45½, & inside me at 7:46. That is, by the clock, the food on my spoon is past, not future. The mind thus moves clock time, making the past into the future. Purposive action involves seeing into

the future

(consider purposively)

- ③ Everything you see is future, & it is future you. It is the to-become-you. This is line of Soc. life & Earth etc in that you will become them. It is also line in that you sense, particularly seeing, an anticipatory, & grasp your future.

- ④ At a given moment:-

Steak on your fork

Kidney on yr. tongue

Pudding made you

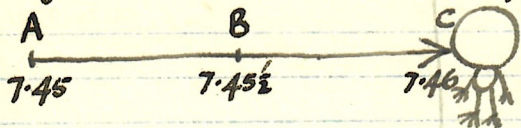
Future

Present

Past

The whole point is, does the observer travel with the food, or not? If he does, then Steak on your fork is earlier than Steak on your tongue. If you observe, Steak on your fork is steak - which - will be - on yr tongue i.e. later steak.

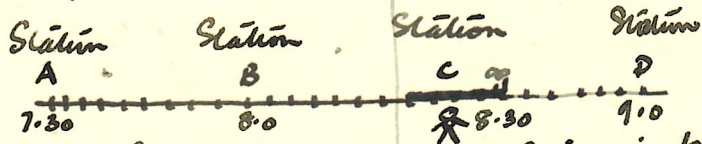
Space & Time: Purpon Lurves Time (5) There is always some confusion. Let us clear this up.



First, let us take the travelling observer, with his clock, sitting on the moving object.

He takes the readings at A, B, & C, & records, 7.45, 7.45 1/2 & 7.46 respectively. Now take the fixed observer at C. At 7.45 he records the object at A. But he says to himself: That object is not for me a 7.45 object, but a 7.46 object, for that it hasn't come yet.

② Thus for the inhabitant of town C, the train is the 8.30,



whereas for the inhabitant at B it is known as the 8.0 o'clock & for the inhabitant at A it is the 7.30. There is but one train, yet, if A, B & C all have breakfast from 7.45 to 8.15, the train is a before-breakfast train for A, a during-breakfast train for B, and an after-breakfast train for C. For the guard on the train it is a before & during & after-breakfast train. And at 8.0 the train is Past for A, Present for B & Future for C.

Space & Time: Purple now as Time ① Now the whole point is that, at 8 o'clock, C looks through his telescope and perceives the 8.30 (at B). C looks into the future - his future.

② Now supposing he misses the train, and at 9.0 looks through his telescope: he will see the 8.30 at D. He is now looking into the past - his past. For C the train is still the 8.30, though for the Guard it is not.

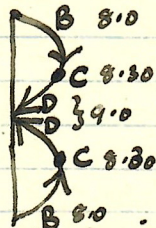
③ Now in IP ① above C's future is grasped as present ↓
 & in IP ② C's past is grasped as present ↗

All this in virtue of the fact that the train is related to C's purpose. That is why he calls it "the 8.30". If he never had the occasion to catch the 8.30 it wouldn't be for him the 8.30.

⑩ Note, incidentally, how purposiveness means that you catch up into your present both what is for others future & for others past. And what you make present you include, you grow to, you absorb. Foresight is growth.

⑪ You, C, and the train are in contact at 8.30. }
That means that, through the center, you are one. }?
The train is therefore always for you the 8.30, even }?
at 8.0 & at 9.0.

Space & Time: Purposer moves Time (12) But all the above is a case of observation, of myself as passive, as stimulated. The diagram is therefore: →
 Here the future comes before the Present & the Present before the Past.



[13] What happens when I, and not the train, am active? Supposing I, waiting at Station C, telegraph to the guard while the train is still at Station B, and tell him to order a meal for me on the train. I do this at 8 o'clock, which is when the train stands in Station B. The result of my action.

of 8:0 P.M. reaches me at 8:30 P.M. But this is still future becoming present, & the diagram is the same as that in TP 12.]

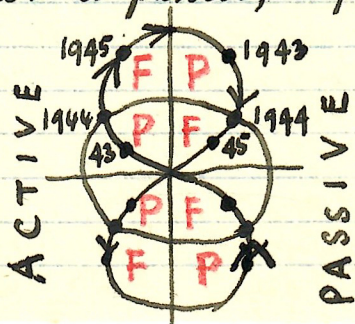
(14) But this is true only of my action's result returning to me as stimulus. The action itself is from my present into my future. I act now & influence my future. The action of telegraphing starts now & proceeds into my future, & the further I telegraph along the line the further into the future my action penetrates. The diagram for this is:-

(15) The laws then is:-

- (a) Action - Power = Past to Future
- (b) Stimulus - Will = Future to Past

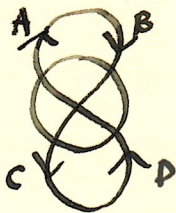


Space & Time: Purpose now & Time (15) I am now, acting in 1944, affecting 1945. And I am now, as recipient, reaping the results of my actions in 1943. As active ^{the present,} I am now changing the future. As passive, the past is changing me, the present.



(See over for alternative view)

16 But the diagram overhead isn't really satisfying. We return to our old scheme whereby at A you creatively perceive the future; at C you perceivingly create the future; at B future purpose determines your present will; & at D the future world is always becoming the present & you are acted upon by your future.



Later:-

(*) For physicist who doesn't recognise teleology - not even your purpose - time isn't reversed. You live by reversing time.

Purpose Reverse Time The point is : who is observing?
A monad with sufficient foresight can give to every
other monad a date, a time-value, according to
when that monad will function in its purposive
plan. This time-schedule is true time for the
observing monad, & constitutive (internal relations)
of what the monad is.

But there are many purpose-plans : Each monad
has its own. But they are organised. Every higher
m. is organisation of such plans. And an integration
of the resultant time-schedules into a common world

timetable (w.) Thus for God the order of the time-table
is perfectly worked out, & no event is scheduled in
two positions. For S-c there is chaos - no timetable.
Our progress is in making common cause (w)
with others, & so making common world-time-table.