Total Manualization a Revolution toward an Effective Global Saving.

☞;At this time could not be complete and sufficient,so would be revised again someday.

Documented instruction guide(manual)is enormously effective to any works in every field by easy stable task,less loss cost and risk averting.Some claim that 86% tasks of corporate activities are manualizable.It is the left 14% that must be manualize.That is a revolution toward **Total Manualization** on intellectual works of elites Management general(private and public),Medical,Judicial,Police-Military,Administration and even Politics.   2019/04/26

❶Only 1% people is really able,while manual could make also 99% people able.

❷Exact Future Anticipating is Saving all of Us.

   In manualization,anticipating all possible events in coming future is essential,then this

   becomes Risk Management toward averting possible risks in coming future.

☞:Someone against manualization accuse that manual operator becomes of *no thinking*. However,in facing event input to be judged,a question added in manual can make not no thinking.*Is this event actually supported in the manual ?*.That is,in case of **incomplete manual**,there is always risk of happening of non supposed event input or out-putting worker state(machinery troubles) .The details is once again to be studied.

Thus following is a challenging discussion on possibility of all task's manualization.

［１］: **Anticipating Possible Coming Risks＝Necessity of Manualization.**

⑴*86% tasks are manualizable！,Efficiency Up by Manualizing Tasks.*

https://biz.teachme.jp/blog/86per/

https://www.sapho.com/blog/5-manual-office-tasks-you-should-automate-today/

⑵Actually only 1% is able,while it is manualization that can make also 99% people able. Labor seller accuse manualization causes salary decreasing.This is serious worry.However this is essentially problem of profit partition.Conclusion to tell,manualization is to cause total profit increasing by decreasing loss,so partition also to the salary can be increased.

⑶**It is Improving Works of Elites that Could Revolutionize the World !!.**

Righteous Able is mere 1%,while 99% important tasks could be **Idealized** by Manual.

Manualization(automated works mainly in public sectors)on judicial,medical,education, management;;politics with administration,military,police may be hated by the haughty.

However it is those that has been causing many strong troubles In the world.

Publicly Opened Manuals would realize the world with justice,truth,and humanity.

⑷**It could Realize Decisive Future Risk Management＝Salvation !!!**

By retrospecting,strong necessity of manualization is risk management.In unanticipated disasters such as big Tohhoku-Fukushima Earthquake(2011),that place at that time faced confused chaos in the urgent rescue management to cause big victims of tragedy. However earthquake is local,while Climate Decay is global now heading whole extinction.Also this could not evade urgent plan for Global Risk Management with each nation's one.

In medical,dying management with the rational philosophy would be inevitable not to cause trouble.In authors wish,medical and judicial diagnose could be computer programable.Also network computerization of politics could be realizable,in which they would realize politics without corruption.This is a final target task for all engineers.

⑸**The Merits of Manualization**.

It reveal essential structure of task toward less error and loss improving task efficiency.

⒜It is best drilling for coming future by anticipating or counting up all possible events in the task.Then there might emerge serious matters necessary reconsidering system design.

⒝It can evade tactics confusion trouble at that place and time in coming future.

As precedent drilling in affordable time,talent and technology,it enable making better plan. Unless ability of prospecting on coming possible events,they would encounter anticipating error to cause failure at that coming days and place.Thereby manual synthesizer must be disciplined to research and endeavor to improve manual to fit exactly coming events.

⒞Manual draft is ordinary written by expert on the task and exterior editor is to modify it,then some failure due to inner circle custom by expert would be found by exterior editor.

⒟Everyone could similarly do by manual,which is good in total and become treasure of accumulated knowledge of experiences.

*Author could not help,but to concern with various different field of works,So some left incomplete state were once again improved after long years.Then semi-manualized documents frequently enables ease to recover past experience.Parallel knowledge in disorder is to disappear,while sequentially derived knowledge from few origin principle is not.

⒠Advanced manual discussed at here would not become complete for the first time. Thereby ,for the time being ,operators at that place must carefully aware the incompleteness toward Improving manual.So also they are manual synthesizers.

Thus total manualization could not people no thinking,but more thinking to improve till it would have become full complete.

［２］: Manualization＝"Programability" of Tasks.

Following is not complete,but not so incomplete.Then also you could conscent with by certain degree.This is coarse validity of Manualizability of all Tasks due to a Math Concept. In order to be general proof,discussion could not help,but rather be abstract.So readers should carefully understand in each step with imaging something concrete.
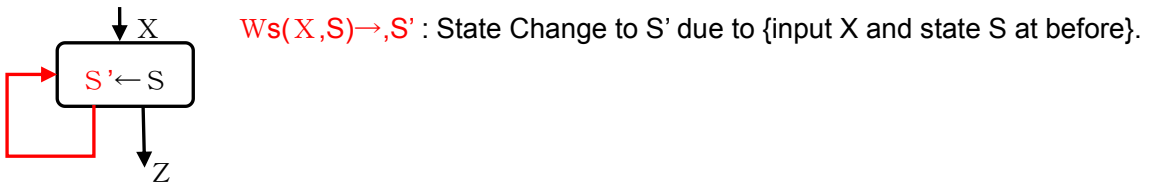
⑴**State Machine**(Working One).

⒜Coarsely to tell,Working Machine {Berger shop and Doctor,Defender,Teacher,Politician} are almost the same in those essence in function of business. In the beginning is input of customer **demand** with fee,then task is output something **product** fitting the demand,Then product is evidently and strongly depends ability on state of {Working Machine≡**State Machine**≡SM}.

Berger shop can sell only goods in their stock(the state change of SM).

Berger shop can sell only goods with the fee input(the state change of SM).

Politician can output policy due to peoples demand(input) ,their party agenda,and above all ,approvals of congress with the financial ability.The latter are state of SM.

⒝**State Machine :** $\mathrm{Wo(X,S)}\rightarrow Z$: Out put action Z due to {input X and now state S}.

$\mathrm{Ws(X,S)}\rightarrow,S'$: State Change to S' due to {input X and state S at before}.

Example)

#vending machine with input of option button and fee mouth and with output mouth

#Action of Computer with application soft and with input devices and output ones.

*Above are complete(deterministic,or caustic mathematical)state machine,

⒞Followings are more generalized machine of actions with some uncertainty.

#Life in general of input foods,air,animal sensors,and output action of eat,sex,proliferation.

The state is specified both body one and mind(conscious*(will) toward survive).

*: http://www.777true.net/Scientific-Mechanism-of-Prophecy-by-Paranormalities.pdf

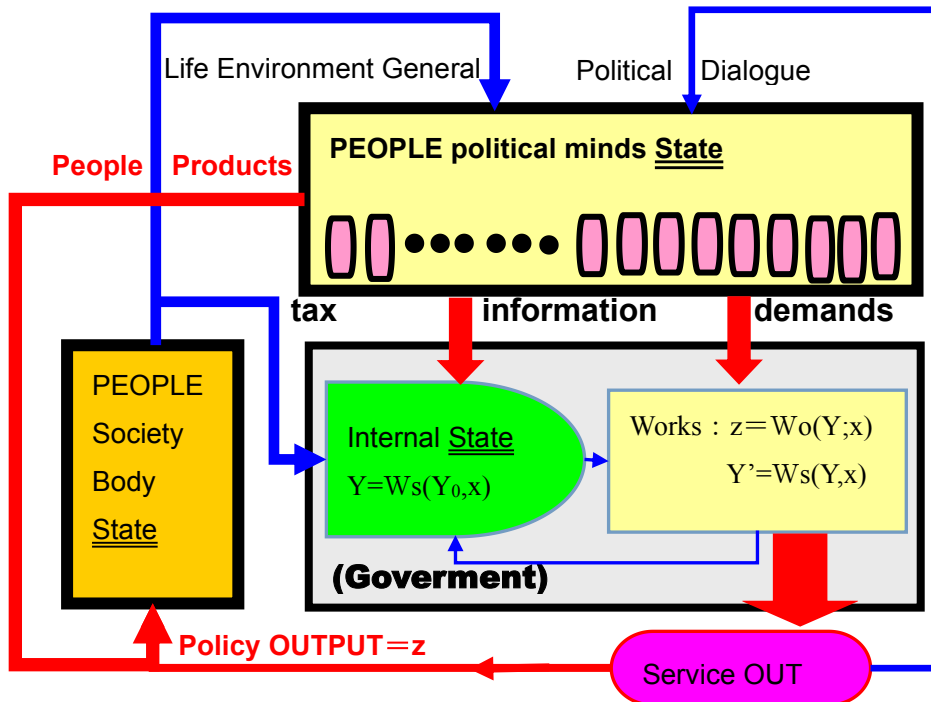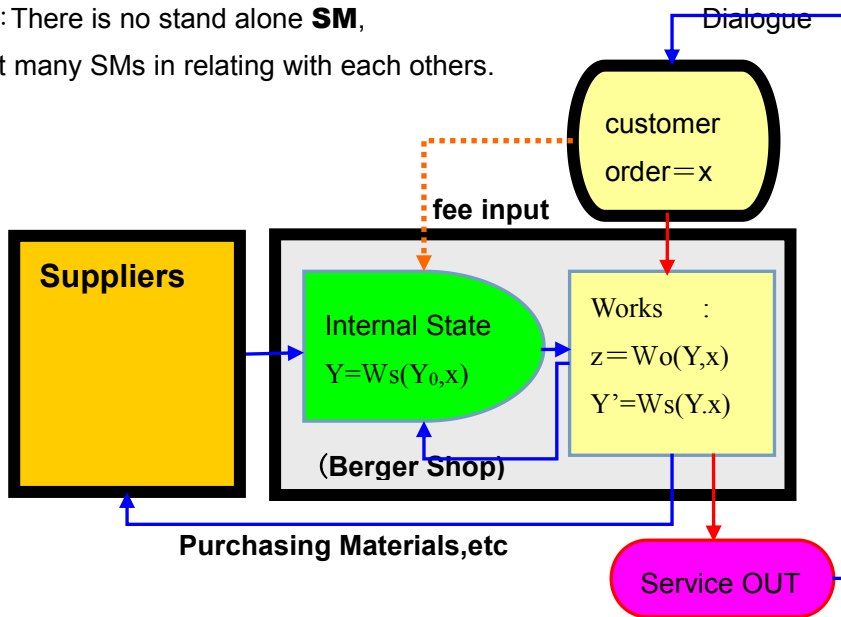APPENDIX-2:What is CONSCIOUS<How to be good at making solution with light>.

#something working with input of customer order and out put goods and service.

The state is specified ability to product with material,tools and knowhow.

business general,judicial,medical,education,management;;politics with administration,military,police.

(d)State Machine Example

☞：There is no stand alone **SM**,

but many SMs in relating with each others.

Dialogue

customer
order＝x

fee input

Suppliers

Internal State
$Y=W_S(Y_0,x)$

Works ：
$z＝W_O(Y,x)$
$Y'=W_S(Y.x)$

（Berger Shop)

Purchasing Materials,etc

Service OUT

Life Environment General   Political Dialogue

People   Products

PEOPLE political minds State

tax   information   demands

PEOPLE
Society
Body
State

Internal **State**
$Y=W_S(Y_0,x)$

Works：$z＝W_O(Y;x)$
$Y'=W_S(Y,x)$

（Goverment)

Policy OUTPUT＝z

Service OUT

Huum,...Berger shop and Politics is not so much different in those essssence.

☞：Essential factors of **Government** are tax of cost,information,and people demands.

Political minds are determined by own life environment general(LEG) and political dialogue.

LEG ={Resources,Economy,Culture(tradition,religion,education,administration.),Politics,...}.

⑵**Transition Table** of State Machine the Designning Utility.

Transition table is very important and useful tool of anticipating all possible events !!,

[1]Function is one to one mapping between input and output of function variable..

$(x,Y) \rightarrow z = Wo(x,Y)$; $(x,Y) \rightarrow Y' = Ws(x,Y)$.

Mathematically telling,output(product)is determined as a function[1] of input(demand)and state of SM.This is called *state machine(automaton)*in computer science. All the action process {$z = Wo(x,Y)$; $Y' = Ws(x,Y)$.} are defined by state machine transition table<below>.

State＼input		X,		
Y		z；Y'		
Y'				

＊　　　　　　　z＝**product** is also called *action* in transition table.
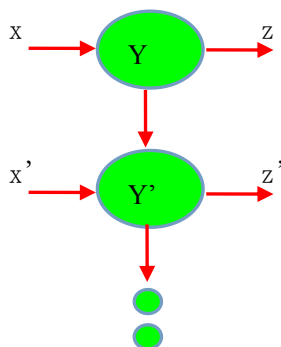
＊columns are all the each input(events) of x

＊rows are all the each state of Y

Therefore,transition table is very important expression of anticipating all possible events !!, Each event is cross point of input x and state Y.

☞：In actual case of complicated working machines,we could not accomplish complete table,however this concept is strong tool to anticipate possible important events in future.then uncertainty is inevitable,then we must take statistical method which is hard also for author.

⑶**State Flow Chart toward Programming.**.

This is state transition flows of events(with action z) caused by each input x at state S.

⑷A manual is series of instruction guide,as is similar with above state flow chart.

　Check input event=x and now state=Y is to output＝z,and state change into z'.

　Following could reveal more the details.

[3];Manual the Example.

Authors final aim is manualizing **Politics**,however it would take longer time,thereby here are citing manual and own made one.Note these are not fitted with **[2].**Also **[2]** example would take longer time,so once again,this theme would be revised.

[A]:The First Time Managers Handbook

https://wheniwork.com/blog/first-time-manager/

Chapter 1: How To Prepare For Your New Role

Chapter 2: The 7 skills you need to be successful as a manager.

Chapter 3: How to manage friends

Chapter 4: How to deal with disciplinary situations

Chapter 5: How to deal with managerial stress

Chapter 6: Building a strong team

Chapter 7: Driving your team to success

Chapter 8: Recommended management books and blogs you should read

Chapter 9: Recommended tools

Chapter 10: Management Is A Tough Balancing Act

[B]:Problem Solution Manual a trial version.

Problem Statement General<Cause *A* is to generate result *B*>

If condition＝X(search cause unknown),→result＝B(design) ,search X !
example)B＝income increasing,intercepting solar heat input into ocean,cease fire in Syria
If condition＝A(cause known), →anticipating result＝Y(unknow) ,search Y !
example)A=income decreasing,spreading aerosol in air, call for a peace conference

＊Following is an example which were once written by author toward solving mathematical physics,but not general problem.Also you should make own manual by your experiences.

❶Entirely **Search Similar Problems**(with Established Solution).

　By somehow.is it possible to utilize the solutions ?

❷**Hot Fluctuating Method** toward picking up MANY possible material utilizable.

　Critics and evaluation are later work,but without those,pick up MANY as possible.

　Exclude preconception,prejudice,misunderstanding,obstinacy,but be entirely free

❸Intensify sensitivity of **Intuition Sight**<strong concentrating and the exchanging>.

　Entirely wait for the maturity of unconscious imagination with strong desire,

　Are there something missing,or obstinate ??,Entirely try and turn in many tasks

❹**Cool Logical Method**<Deduction,Induction,Analogy,Reciprocity,Symmetry,Structural>

⑴Search entirely the Supreme Origin Principle(Essential Cause)of Problem(Generalizing).

⑵Search or Transform into Similar Simple Primitive Solvable Problem of same essence?

　Selecting conditions taken,or not taken,possible combination,replacing,turning,inserting,

　push or pull,see it from various side ,up,down,left,right.entirely try in heuristic ways❷.

⑶Search and observe problem carefully ..necessary knowledge is really sufficient ?

❺**Alter Hot and Cool Phase** by according to the situation.

❻**Verification.**

⑴Never employ intuition in judging?,Never impress hope to solution.

⑵Caution on neglecting something inconvenient or trivial(but important).

⑶Never consider it complete,but always keep to doubt.

⑷A righteous conclusion is to generate following success.

＊ an experience of past success can not always assure once again success.

Reference:

https://math.hawaii.edu/home/pdf/putnam/PolyaHowToSolveIt.pdf