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New Ideas for the 21st Century

The Worldwide System

Devised and Explained by

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The Worldwide System

This comprehensive measurement, management, government system could help to solve many employment, environment, nourishment, enlightenment, entertainment, experiment, development, movement, encouragement, punishment, achievement, retirement predicaments.

With a clean sheet of paper or hard disc we could restart our human race. All we need to do is to scrap our old systems then start again at square zero. There are now some forty different ages, dates and times around the globe. We must scrap all our chronologies, calendars and clocks and replace them with one global-digital-decimal system based on Earth's age, orbit and spin. There are now three different linear measurements in use around the globe. We must break all of our rulers and replace them all with one new rule, based upon the global-digital-decimal system and the girth of planet Earth.

Our species is breeding much faster than our only planet can sustain it. A third of our planet's workforce is out of work and living in poverty, when they could be earning a living and building our brave new world. It is no longer a case of 'getting on your bike' for we need a new cycle. We already recycle many materials but we now need to recycle Time. A seven-day week is a unicycle, however, a ten-day week is a bicycle. A ten-day week would encourage most jobs to be shared five-on/five-off. This revolutionary working bicycle would be easier to ride and to share. Full-time-job-sharing-as-the-norm could save our planet and our species. It would minimise the waste of food, energy, materials and manpower. It would maximise the utilisation of our planet's infrastructure and this would reduce the cost of goods and services as well as climate changes. We could all achieve sustainable development in one extremely easy step.

The Worldwide Measurement System

Our ages, dates, times, zones, rules, weights and measures evolved over the millennia and so they were not designed as one cohesive system. We have known about zeros, numbers and decimals for a millennium; yet we have not learned how to use them correctly in our Time and Space.

The Imperial and American Systems were based upon different fractions and the Navigation System is based on fractions as well as on decimals. The International System is now used throughout most of our world. It is based on the atomic second, originally a fraction of a mean solar day but now an arbitrary number of vibrations of a tiny atom of caesium. The metre was originally supposed to be related to the size of our world but is now based upon the distance light travels in a decimal of a second. This is incomprehensible to most of those who use this chronic system.

The Worldwide Measurement System is easy to learn and simple to use. This Worldwide System includes Worldwide Time and Worldwide Space. Worldwide Time includes global age, digital date and decimal time. Worldwide Time at midnight in Greenwich on Gregorian 19/20 March (the start of the vernal equinox) in the year 2000 AD read 000:000.000 (three digits for the age: three digits for the date. three digits for the time) The year is divided into 36 ten-day weeks plus a 5 or 6-day remainder. Each week is then subdivided into five left-days and five right-days. Each day is subdivided into decidays, centidays, millidays and microdays. Worldwide Space is a system of measures based upon the girth of Earth. If the Equator is divided by 360 degrees and then by one million this new global-digital-decimal unit can be used over land, at sea or in the air. It could replace the kilometre, statute mile and nautical mile as well as lengths, areas, volumes and weights in Imperial, US and Metric Systems.

Worldwide Time

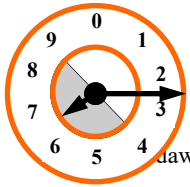
This perpetual digital date calendar encourages 5on / 5off job-sharing:

left-days					right-days				
000	001	002	003	004	005	006	007	008	009
010	011	012	013	014	015	016	017	018	019
020	021	022	023	024	025	026	027	028	029
030	031	032	033	034	035	036	037	038	039
040	041	042	043	044	045	046	047	048	049
050	051	052	053	054	055	056	057	058	059
060	061	062	063	064	065	066	067	068	069
070	071	072	073	074	075	076	077	078	079
080	081	082	083	084	085	086	087	088	089
090	091	092	093	094	095	096	097	098	099
100	101	102	103	104	105	106	107	108	109
110	111	112	113	114	115	116	117	118	119
120	121	122	123	124	125	126	127	128	129
130	131	132	133	134	135	136	137	138	139
140	141	142	143	144	145	146	147	148	149
150	151	152	153	154	155	156	157	158	159
160	161	162	163	164	165	166	167	168	169
170	171	172	173	174	175	176	177	178	179
180	181	182	183	184	185	186	187	188	189
190	191	192	193	194	195	196	197	198	199
200	201	202	203	204	205	206	207	208	209
210	211	212	213	214	215	216	217	218	219
220	221	222	223	224	225	226	227	228	229
230	231	232	233	234	235	236	237	238	239
240	241	242	243	244	245	246	247	248	249
250	251	252	253	254	255	256	257	258	259
260	261	262	263	264	265	266	267	268	269
270	271	272	273	274	275	276	277	278	279
280	281	282	283	284	285	286	287	288	289
290	291	292	293	294	295	296	297	298	299
300	301	302	303	304	305	306	307	308	309
310	311	312	313	314	315	316	317	318	319
320	321	322	323	324	325	326	327	328	329
330	331	332	333	334	335	336	337	338	339
340	341	342	343	344	345	346	347	348	349
350	351	352	353	354	355	356	357	358	359
360	361	362	363	364	365 < leap-day				

This digital timepiece shows: global age : digital date . decimal time:

012:345.678

This analogue timepiece incorporates day and night segments:



It is six-day, the time is 525, dawn will be at 900 and dusk will be at 400.

Global age

We now know the age of this planet, so we do not need to base our chronology on an arbitrary year such as the birth of a prophet or messiah. However, it is convenient to align our new chronology with *Anno Domini* or Common Era because most people now use this way of counting years. Since we now know that civilisation began some 12,000 years ago and that this planet Earth slowly formed some 4.55 billion years ago, 2000 ACE can be renumbered as: 4,550,012,000 WT or 000 WT for short. Instead of counting forwards or backwards we would only count forwards. WT began at a full-moon on the vernal equinox in the year 2000 ACE. It coincided with the very rare grouping of all the five visible planets, the dawn of the zodiac age of Aquarius and the dusk of the age of Pisces. It also coincided with the new Anthropocene Epoch of human geology.

Digital date

Every civilisation had its own calendar with different months and weeks. The perpetual digital date calendar simply numbers the days in the year beginning with 000 and ending with 364 or 365 in customary leap years. These numbers drop into groups of ten, forming a discontinuous ten-day week instead of the continuous seven-day week now used worldwide. The origins of the seven-day week are obscure but it probably came from the Sabians of Harran in Mesopotamia, who worshipped seven sky-gods linked with seven heavenly bodies at seven sacred temples in rotation. The creation in seven days and the commandment to use seven-day weeks with only one day for rest, recreation and religion are unsubstantiated. Holy days became holidays and the holy Sabbath became the weekend. This may grow into three unproductive days if politicians have their way. With ten-day weeks every organisation would work 360 days every year. However, every worker would only need to work for 180 days every year.

Decimal time

The ancient Egyptians used their digits to count almost everything in tens. They used a solar calendar with 36 ten-day weeks or twelve 30-day months plus five dog days and, later on, a leap day at the end of every fourth year. They divided daylight into ten hours and then added another two hours for twilight and twelve hours for night, which varied with the seasons. They also found that there are approximately 100,000 heartbeats in a day. Instead of dividing the day in the decimal way, Greek astronomers used 24 equal hours then divided these, in the Babylonian hexadecimal way, into 60 firsts and 60 seconds, which they could not measure accurately. This system was used in mechanical clocks until the French Revolution when digital calendars and decimal clocks were adopted, then abandoned. Decimal time divides the mean solar day into ten decidays or decs, one hundred centidays or cens and one thousand millidays or mils. One fixed atomic tik is almost the same as one variable cosmic microday.

Single zone

Time zones divide our human race with unnecessary, imaginary barriers. There are twenty-four sea-time zones and some forty land-time zones. There should be no divisive time zones, nor daylight saving measures, because the age, date and time should be the same everywhere on Earth. We do not need clocks and laws to tell us when we should start and stop work because the sun provides us with natural daylight, which is free. Working in daylight would help to save a great deal of expensive energy. We no longer use sundials so the hands on clocks or watches no longer need to point upwards at midday and many of us prefer digital ones. International communications make it imperative to use the same time. This has been realised by some internet surfers who use decimal watches displaying 1000 millidays as an alternative to 24 hours and 60 minutes.

Worldwide Space

The Imperial system of weights and measures had many disadvantages, because it was based upon non-standard anatomy and had different bases. The French revolutionaries wanted to use a logical measurement system. They based the metre on the distance from the North Pole to the Equator because they were not able to measure the circumference of the Equator. This measurement was inaccurate and it has been perpetuated ever since. The arbitrary metre is now based upon the arbitrary second and this was originally defined as an eighty-six-thousand-four-hundredth part of a day but it is now defined as 9,192,631,770 vibrations of an atom of caesium. Britain is now using a hotchpotch of both Imperial and Metric systems. The statute mile is still in use but it is now defined as 1609.344 metres. In the Navigational system of latitude, longitude, distance and direction there are still sixty nautical miles to one equatorial degree of longitude. This can be confusing when everything else is now divided by decimals. Worldwide Space is based upon the circumference of our planet Earth: exactly 21,600 nautical miles, about 24,906 statute miles or 40,074 km. If Earth's circumference at the Equator is divided by 360 degrees and then by one million, the resultant is about the same as the ancient hand unit. If this is called a han then, using the notation from the Metric System, there could be Gigahans, Megahans, Kilohans, millihans, microhans… A cubic han could be a can and a cubic han of water could weigh a wan. A global standard measure of wealth could be a wan of gold, called a gan. We would have a complete system of currencies, weights and measures. Latitude, longitude and compass directions would be in decimal degrees. All land, sea and air distances and directions would be exactly the same. Angles and directions would be expressed in degrees rather than radians. Commonly used temperatures would be in Celsius rather than Kelvin. The Worldwide System includes every other physical measurement.

The Worldwide Management System

A ten-day work week would encourage full-time-job-sharing-as-the-norm. Productivity would advance because factories, offices and shops would be used every day and no one would be overworked or underemployed. We would all work for 180 days and takes 180 days off in every year. This would encourage all of us to make better use of our leisure time. Most of us may choose to take breaks of five days but some may take ten or fifteen days by arranging with their job-sharer to cover for each other. All employees would be remunerated for the time they actually worked. Sick days would be the responsibility of the employee, not the employer. This makes taxation and national insurance fairer and easier to calculate.

This system would only work properly if an entire community used it. Schools, colleges and universities could be used every day so that their overhead costs were minimised and pupils/students could choose to work either left-days or right-days to coincide with workdays of the breadwinner. Many families and single parents would care for each other's children. More of the elderly would be cared for at home by extended families. Every hospital, clinic and surgery would provide their medical care and perform operations around-the-clock on every day with no waiting lists. All transport systems would be utilised evenly with much less congestion. More cars, boats, planes and other expensive equipment could be shared.

Most day workers would adjust their working patterns to suit the seasons. Most shift workers would take it in turns to work during days and nights. Most of us could easily go back to working in daylight and this would not only save a great deal of energy but also accidents, stress and strain. Many of us now use flex-time, which allows us to stagger our travel times. This, even more flexible, working pattern could be called: flex-date.

The Worldwide Government System

The decimal date calendar divides the year into 360 days plus a remainder of 5 days reserved for local, regional, national and international elections in a four-year cycle plus a leap day when new presidents could be elected. One job-share MP could live in their constituency the other near parliament. Electronics will soon allow everyone to vote on every important issue and for every minister in a fully-democratic-joined-up-coalition government.

The USA, supposed be a secular society, still uses the Roman-Catholic chronology, calendar and clock and still spans seven different time zones. It uses its own system of distances, dimensions, weights and measures. It is now the only superpower and it controls our Time and our Space. So perhaps it will lead the way by adopting: The Worldwide System.

The EU, supposed to be a secular society, still uses the Roman-Catholic chronology, calendar and clock but wants to standardise one time zone. Some eurocrats want to extend the unproductive weekend to three days. If the EU adopted a ten-day week with full-time-job-sharing-as-the-norm in its new constitution it could become far more productive and powerful.

China once had a digital week and a decimal day but recently adopted a seven-day week and twenty-four hour day with no divisive time zones. The USSR had eleven divisive time zones until it eventually fell apart. Totalitarian states could easily adopt full-time-job-sharing-as-the-norm.

The Hindus invented the zeros and numbers that we all use today. The Muslims adopted this digital system and they discovered decimals. However, the Sunnis use lunar calendars and the Shias use solar ones. They all take Fridays off work but they cannot live and work together. The secular Worldwide System might eventually supersede all religions.

How Much?

The Millennium bugs cost at least a $trillion but have only been fudged. The nerds knew it was going to happen and know it is going to happen again unless a better system of expressing age, date and time is found. Worldwide Time is that system and can be incorporated into computers as an option ready to be switched on as soon as the politicians decide. Digital calendars, timetables and diaries would be perpetual, and so save many trees, and decimal watches or clocks would be cheaper to make. They need to be replaced regularly anyway and are now so inexpensive that the cost of replacing them would be tiny in relation to the savings. Worldwide Space would be more expensive to adopt but there would be many benefits from a global system of currencies, weights and measures. The enormous benefits, for our planet and our human race, are incalculable.

How Soon?

The Metric System was conceived three centuries ago and took a century to be adopted by most of our world – except for Britain and the USA. Britain has now adopted most of it but the USA still has its own system. In 1884 ACE, when our current time zones were established by the International Meridian Conference in Washington DC, it was agreed that both Space and Time should be decimalised but, although most of us are now using a decimal Space System, the decimalisation of Time was forgotten or suppressed by stick-in-the-muds who never accept change. The League of Nations and The United Nations both tried, but failed, to introduce a global calendar and the International Standards Organisation failed to devise a year-day number system that can be built into watches. It would be best for the entire Worldwide System to be adopted globally at one particular moment but there is no reason why parts of it could not be used by individuals, organisations or states before then.

One System

The Worldwide System should be used by everyone on our planet Earth. Before any new system can be adopted it must be thoroughly understood, tried and tested, so a think tank should examine it carefully and then a small community should attempt to live and work with it for a while. It should never be imposed upon any individual, organisation or state. Nevertheless, it is essential to have global standards for most things. We have had national and international measurement standards but it is now time to have a global one, which should be administered by the UN. We evolved over billions of years and we created gods, not *vice versa.* Religion must be blamed for dividing-up our Human race with various ages, dates, times, zones and numerous mystical measurement systems. This new system is not sectarian but secular, not spiritual but temporal, not mystical but logical and it is not mythical but mathematical.

One World

The United Nations Organisation is dedicated to creating One World. Yet, it has not lived up to the expectations of those of us who created it. It must be given more ideas, more power, more control and more funds. It would benefit from full-time-job-sharing-as-the-norm at every level. The Worldwide System could soon help pull our human race together. It could eradicate the global scourges of unemployment, poverty, illness, inequality, crime, punishment, corruption, conflict, pollution and waste. It is time to put Time into chronological-calendrical-horological order. It is time to put Space into a more logical global-digital-decimal order. The Worldwide Web rapidly became a new global standard and there is no reason why The Worldwide System should not become one too. The UN should now incorporate a Worldwide Standards Organisation.

THE WORLDWIDE SYSTEM

WE CAN SAVE OUR PLANET AND OUR SPECIES
IF WE CAN SHARE OUR TIME AND OUR SPACE

Michael Pinder

This is probably the most comprehensive treatise that has ever been written on the measurement, management and government of Time and Space. The author has studied widely at six universities, worked in many industries and travelled in ninety countries during his long and innovative career. His 488-page hypothesis has been written in this fully justified style. It is also written and printed in a logical sequence of one-page essays.

It explains the ten different kinds of Time now used for different purposes. It stresses the importance of using a global standard measurement system. It spans the history of chronology, calendrology, horology and metrology. It discusses the pros and cons of every component of Time and Space. It recommends the author's rational, comprehensive Worldwide System. It explains why this would benefit everyone throughout every society. It describes how a ten-day week would permit most jobs to be shared. It shows how this system would maximise efficiency and minimise waste. It describes how this system would help to develop a global civilisation. It reveals how beliefs about Time and Space divide our human race. It outlines a new philosophy, which combines capitalism with socialism. It explains how the Worldwide System could soon be implemented. This is based upon the age, orbit, spin and girth of our planet Earth, the global-digital-decimal number 10 and the round number 360.

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