

**MARIAM'S QUARANTINE:
A POINT OF REFERENCE AMIDST COVID-'19 PLAGUE**

* * *

Ogidiolu Ayodeji Olanrewaju, Ph.D

Senior Lecturer

Old Testament and Contemporary Issues

Department of Religious Studies, Faculty of Humanities

Ajayi Crowther University, Oyo, Oyo State, Nigeria

+2348055175356, +2347060454126

ayodejiogidiolu@gmail.com ao.ogidiolu@acu.edu.ng

ABSTRACT

The study viewed Quarantine as a precaution against the spread of deceases in the Old Testament and the relevance of the same in the period of coronavirus. Mariam the elder sister to Moses was sighted to have observed quarantine after she contracted leprosy as a divine punishment from Yahweh. Hence, she was placed outside the camp. An isolation centre was prepared for Mariam where she lived until the subsidence of her disease. Mariam was barely seven years older than Moses and she stood her ground in protecting Moses' life by calling the mother of Moses Pharaoh's daughter a nurse for the newly founded baby. Yet for Moses' sake, God stroke her with leprosy and the community of Israel got her quarantined, as she was restored to the Camp after a few days. The study adopted the descriptive approach to the study of religion. The primary source was the record of the book of Numbers chapter 12 with some relevant passages of the Bible on quarantine and interviews of some personalities who were afflicted by the disease. The secondary source is books, journals, dictionaries, commentaries and internet sources on related events of quarantine. The study hailed the precaution of quarantine as a high corrective measure to disallow the fast spread of disease as antiquity as the period of Moses was. The study proves quarantine is the most potent precaution against the spread of any disease. The study approved the Old Testament of the Bible as the maiden platform where quarantine was a precaution to remedy the fast spread of diseases.

Key Words: Mariam, Quarantine, Point of Reference, Covid-19, Old Testament, Precaution

Word count: 259

Background

The Old Testament used Mariam as a nomenclature, which may be seen sometimes as Miriam in ancient Israel and the derivation of Mary in the New Testament of the Holy Bible. Mariam was the first child of Amram and Jochebed. Mariam was the elder sister to Aaron and Moses (Number 26: 59).¹ Mariam was a Hebrew girl who was born in Goshen of Egypt. She was a woman leader in the wilderness days of the Jews. Mariam in the context of the study went through certain scenarios which called for her to be quarantined.

To quarantine means to set aside from the midst of the multitude. It is a period when an animal or a person that has or may have a disease is kept away from others to prevent the disease from spreading.² Separation of the affected persons from others who are not affected by sicknesses or diseases was the order of the days in ancient Israel. When Mariam was affected with leprosy, it was the divine order that she must be separated away from the camp to somewhere outside the camp which was prepared for Mariam for seven days. Numbers chapter 12 verse 25, in New King James Version and English Standard Version use ‘shut outside’ the camp in place of quarantine. The transliteration of ‘so was shut outside’ in the camp which stands the same meaning as quarantine in the

¹ J.D. Douglas, F.F. Bruce & et al, eds, *The New Bible Dictionary*, (Britain: Inter-Varsity Press, 1978), 831

² A.S. Hornby, Sally Wehmeier, Colin McIntosh, Johanna Turnbull & Michael Ashby, *Oxford Advanced Learner's Dictionary of Current English*, Seventh Edition, (Oxford: University Press, 2008), 1187

Hebrew Language is **וַתִּסָּגֵר**.³ Israel did not move an inch in the wilderness until Mariam was brought back into the camp from outside the camp. In quarantine, the unaffected person is secured from the spread of the disease.

A point of Reference is a particular location that is used as the endpoint over any particular issue. It is the very instance point that scholarship use for the correction or intervention of any particular event. It is also the intellectual premise used to relate others to several ideas.⁴ In the context of this study, it is a point by which one refers to issues and instances.

Covid-'19 is an acute respiratory illness in humans caused by the coronavirus.⁵ This disease is capable of dispensing many sicknesses and in many cases resulting in death. Old people who are victims of Covid-'19 cannot resist it as it resulted in death occasionally. Their hormones that work for immunity have been lowered or weakened and they are more exposed to danger. The '19 at the back of the name is an indication of when the disease broke forth, which was December 2019. The disease became a pandemic in the year 2020. It broke out in China and spread all over the world in the year 2020. There was fear in Africa, most especially in Nigeria as the powerful nations of the World could not control the spread countries like Rome, America, Russia, London, and Canada, to mention but a few bowed down to the all-powerful Coronavirus and their citizens witnessed high records of mortality. The first

³ <https://biblehub.com/text/numbers/12-15.htm>, retrieved on 21st April, 2022

⁴ Point of Reference, this text is extracted from the Wiktionary and it is available under the CC BY-SA 3.0. License.

⁵ Covid-'19 meaning, Dictionary, Definitions from Oxford Languages. 2020: shortened from Coronavirus disease 2019.

precaution was to catch the affected person. This system is called quarantine that was used for Mariam in the Old Testament days. Who was Mariam?

The biological relationship of Mariam, Aaron and Moses

Mariam was the eldest child of Amram and Jochebed. Mariam was the elder sister of Aaron and Moses. She lived between 1400 BC and 1247 BC.⁶ By this date, it means that Mariam was born in Egypt. Mariam was notably the first Female minister to be tagged, Prophetess. The name is interchangeably written either, as Miriam or Mariam. As the case may be, the indication is designated for the same person. Mariam surfaced in the Bible as a kid. Her name initially was not mentioned. She was made known by the way in conjunction with her brothers; Aaron and Moses led the Israelites out of Egypt the through the wilderness towards the land of Canaan. Mariam played a unique role in saving the life of her younger brother as an infant (Exodus 2:4). Mariam's mother Jochebed, placed Moses inside a basket and asked Mariam his elder brother to watch the baby on the river Nile. Mariam at age seven was wise enough to have boldly contacted Pharaoh's daughter for the provision of a nurse for Moses. Scholars like Ogba⁷ allude to the fact that Moses, Moshe, by Egyptian Hieroglyph means I drew him out of the water, while the Israelites interpreted Moses as Saviour.

The cause of Mariam Leprosy

⁶ Miriam, Prophetess, Moses' Sister, retrieved online on 14th April, 2022

⁷ Old Testament Class Lecture, of Diploma in Religious Studies, of on the personality of Moses at Immanuel College of Theology Ibadan by Very Revd. Okechukwu Ogba in 1998.

Numbers chapter 12: 1-10, records the intermarriage of Moses with an African woman. The new wife to Moses has her designation as Chusites and must most probably be Ethiopian. The African woman was Tharbis⁸ by name. The first wife of Moses was Zipporah, the first daughter of Jethro, the Priest of Midian. Now the second wife was Tharbis, an Ethiopian. It means that the two wives were not from Israel. The critical view may sight that Moses had no marital relations with Jews as a wife. To Josephus, records have it that Moses pitched his tent in Ethiopia on his way to Middian, the possible source for getting married to Tharbis. Tharbis the other wife of Moses was from Ethiopia.⁹ This study is not particular about who was the actual first wife between Zipporah and Tharbis. Zipporah was a Middianite and Tharbis was from Ethiopia in Africa. The study realises that the two wives of Moses were non-Jews. It means that Moses married strangers.

In fairness to the Jewish law, the Israelites should not marry outside the fold of their kindred. When there is marriage of the Jewish man or woman to somebody outside the country there is a tendency for such Jew's heart to be diverted to the serving of another god. David for instance never compromised his stand with the enemies by marrying strange women unlike Solomon, who got married to a strange woman who diverted his attention

⁸ Bible Study Tools, Did Moses Have Two Wives, Tharbis and Zipporah, or Just One? biblestudytool.com

⁹ *How Moses and Aaron returned into Egypt to Pharaoh*, Josephus: Antiquity of the Jews- Book II, Containing the interval of 220 years. From the death of Isaac to the Exodus out of Egypt. Chapter 13, Penelope.uchicago.edu

away from God.¹⁰ Marriage to strange women has not been giving Israelites a positive relationship with Yahweh. The case of Moses was different as the women he married were not Israelites and his attention to God was not deviated, nor divided.

Judging through the reaction of Yahweh, it may not be the issue of marriage that is the problem as Numbers chapter 25 verses 1 and 2 state. Yahweh's reaction was that Moses, Aaron and Mariam should come out of their tents so that the chosen one of Yahweh will be picked and judgement of leprosy was cast under Mariam as Aaron was spared because of his anointing as the High Priest. It must not have been a family meeting on whom Moses should marry that has given birth to a rigorous sickness like leprosy to Mariam. Rather, it must have been because of God's choice of Moses to any other person.

Although, Yahweh disallowed intermarriage between Israelites and strange countries. This was not taken for granted by Ezra and Nehemiah during the post-exilic period (Ezra 9:12). Moses being a Man of Law must have taken to cognisance the listed nations that were strictly mentioned by Yahweh in Deuteronomy 7: 1-4. The nations are seven in number namely: Hittites, Girgashites, Amorites, Canaanites, Perizzites, Hivites and Jebusites. The two wives of Moses are not from these regions. Most probable, Moses lay on the enlisted nations towards making his choice of wives. Moses' uncared heart of

¹⁰ Ayodeji Olanrewaju Ogidiolu, *King David's nation- building precepts and the possibility of application in Nigeria*, in Bernard E. Fyanka, *Humanus Discourse*, Vol. 1, No.1, 2021, 215.

not consulting Mariam and Aaron is just the beginning of the differences.

Aaron and Mariam expected that the Spirit of God will stop communicating with Moses for marrying the second wife, who was not a Jew. The two of them questioned if God has not spoken through them too. Instead of Yahweh condemning this act of Moses, HE, Yahweh became Moses' solicitor as HE spoke to them in the pillar of cloud at the entrance of the tent (Numbers 12: 4-15). Eventually, Mariam became leprous after the ascension of Yahweh to the pillar of the cloud. This punishment got Mariam seven days outside the Camp for quarantine as Moses interceded for her restoration.

Experience of Covid-'19 in Nigeria

The Old Testament context of the Bible invented the precaution to the current pandemic of our dispensations. The precautions are Hand Washing, Use of Masks and social distancing. Their laws were invented about 3,500 years ago when the Israelites were in the Wilderness, on their way to Canaan.

Africans were fearful that the powerful nations fell at the feet of Coronavirus and felt they will not be able to stand the spread of the Virus. There are several arguments about the coronavirus cure when it eventually emerged in Nigeria and Africa as a continent. There were few proposals to curb the menace as the affected people died anyhow. Most victims were rich and influential people who had money to pay for any treatment but were eventually victims and died. Amidst the cautions proposed by medical practitioners to curb the pandemic, which were drawn from the Torah of the Holy Bible are:

- i. **Washing of hands constantly according to Exodus 30: 18-21.** The instruction was to wash your hands so that you do not die. Hand washing is essential to constantly clean off the things that were touched. It is the same hands that were used to touch contaminated things that were used to drink and eat, hence a need for constant washing of the hands for hygiene and a precaution from contracting the disease.
- ii. **Use of nose cover is indicated in Leviticus 13: 4, 5, and 46.** The portion of the scriptures instructs that mouths should be covered, distance should be kept and contacts like handshake should be avoided; if there is any sign of diseases around the people, these instructions will help to curb the same. If one has symptoms, such should cover his or her mouth. The distance kept will help to avoid contact, which is being replicated in the current precautions.
- iii. **Quarantine for a stipulated period** is the third order which is the primary focus of this work according to Leviticus 13: 4 and 5. Whosoever is infected must remain quarantined for 7 to 14 days. This was accorded to the testing of the cure of the pandemic or diseases at its explosion in the Torah. People who were affected by the virus were to be separated or quarantined for a period of 14 days to ascertain the authenticity of their cure.

Bible is the Oldest Historical Book and the most ancient prostrator for any issue on the planet Earth. The point of reference to the separation from infected people could be

reflected in the banishment of Mariam when she contracted leprosy as a result of her conflict in Moses' case. The implementation of the separation was evident in the Lockdown that was experienced in advanced countries and gave palliatives to relieve the hunger of people who were locked Inn. Unfortunately, the donations towards the palliatives were not distributed at the hit of the pandemic in Nigeria, as people broke into the warehouses to loot the food.¹¹ Such foods were later realised to have been kept by Politicians as part of things to be used for the campaign of 2023.

The Nigerians broke into many places where these things were stored. The research work realised that lockdown is a method that we can use to curb the problem of the pandemic,¹² which is tantamount to quarantine. It is a strict separation from affected people. He further said that the Ankara face mask cannot prevent COVID-19. The best approach is the lockdown and social distancing. Mariam experience is the point of reference as she was distanced from the Camp of Israel.

As people were restricted to staying indoors, there was an increase in records of robbery attacks at homes. As of the third week of the lockdown in Lagos and Ogun States, there are social restrictions, and a reduction of financial income,

¹¹ Timothy Obiezu, COVID-19 PANDEMIC, Nigerians Justify Massive Looting of COVID-19 Supplies, 27th October 2020, 7.57 a.m. voanews.com-deli

¹² Daud Olatunji, "Akara face mask can't really prevent COVID-19", An Interview with the Ogun State NMA(Chairman, Nigerian Medical Association) Dr. Ismail Lawal, *The Punch*, Tuesday, April 28, 2020 VOL 44 No. 22, 186 www.punchng.com, 3

contending with the rising insecurity from the armed robbers, who claim to be hunting for what to eat amidst the lockdown.¹³ The leadership in the country were lamenting the financial loss that was attached to the lockdown. It was then Nigerians realised what was the average income that was rolling into the covers of Nigerians daily. The other side of the coin is that the pandemic unveiled the reality of the market situation of Nigeria's Economic. This kind of period can only be experienced during a situation when every mankind is on the same level. The coronavirus reduced everybody to nothing and all were on the same level.

The medical practitioners did not find it easy as they were contracting the virus and died. The only way out was to request a jack-up in their weekly or monthly incomes. Medical Doctors and Nurses demanded life insurance when the case hit 318 casualties in Lagos. In Nigeria,(as of then), a doctor had died as a result of the disease, two doctors in Edo State had also tested positive for the virus, while about 25 doctors, comprising house officers, resident doctors and a consultant had been in self-Isolation after combating with Covid-'19 which was contacted as a result of treating patients.¹⁴ The only consolation was to ask for money in a higher payment to the medical officers. There is a need to venture into the roles

¹³ Oladimeji Ramon, "Robbery, corruption in palliative distribution worsen lockdown pains", *The Punch*, Wednesday April 22, 2020 VOL 44, NO. 22,182, www.punch.com, 3

¹⁴ Nike Popoola and Tunde Ajaja, "Coronavirus: Doctors, nurses demand life insurance as cases hit 318", in *Sunday Punch*, Sunday April, 12, 2020, VOL. 24 NO. 20, 096 www.punch.com, 3

played and the inefficiency of Covid-'19 vaccine to many Nigerians.

Some private Institutions started laying off their staff. Since the staff were not in their duty post, it was difficult to pay those who are at home who had no work doing and no source for the generation of the staff or workers income. For instance, BOWEN University Iwo lays off staff,¹⁵ as nothing less than 100 staff were sacked during the Covid-'19 lockdown. BOWEN is the Baptist Christian Nigeria University, Iwo, Osun State, Nigeria. The University Public Relations Officer, Mr Toba Adaramola, said about 8%-10% of the workforce was affected.¹⁶ On the other hand people like the Rt. Revd. Prof. Dapo Asaju, the Vice Chancellor of Ajayi Crowther University, Oyo, with bank loans, sustained the constant payment of his staff's salaries. Dapo Asaju passionately opined about the well-being of his staff amidst the scarcity of the country.

Public tertiary institutions like the University of Ibadan, the University of Ilorin, Obafemi Awolowo University, Ile Ife, University of Port Harcourt, among others in the southern part of Nigeria, retained their staff. This is not far-fetched from the constant reality of strikes that government institutions are used to. The Universities in the Northern part of Nigeria were

¹⁵ Taiwo Okanlawon, Covid-'19: BOWEN University sacks over 100 workers, 24th June, 2020, BOWEN University, Iwo, Osun State has reportedly sacked over 100 staff at the institution amidst growing concerns about the effect of ravaging COVID-19 on the country's economy.

¹⁶ Taiwo Okanlawon, Covid-'19: BOWEN University sacks over 100 workers, 24th June, 2020...

battling with insurgency simultaneously with lockdown issues. In other private institutions, it was two sides to reactions as some were able to stand it many others lay off their staff during the hard period. Travelling out was impossible for many Nigerians who had money to sustain their health abroad because powerful countries abroad lost their almighty strength to the virus and refused to welcome people from other countries. It was such a nasty situation that Nigerians will never pray to witness.

When a confusing situation like this happened, God should be contacted for a way out. In the case of the coronavirus pandemic, God was taken out of the case, by our leaders, as strict observation of preventive measures were instituted. Preventive measures were believed to be the way out. Worship places like Church was seen as a container under which the virus may be spread faster. So, worship in churches was taken as a sin. Pastor Danjuma Ndakwasau of Rhema House of Prayer and Answer Ministry was arrested by the FCT Task Force for conducting a service on Sunday¹⁷. Abba Kyari, the chief of staff to President Muhammad Buhari died of coronavirus and was buried during the hot experience of COVID-19. As the chief of staff to President Muhammadu Buhari, the Presidency directed that the ministers and journalists who attended his burial service must stay away for

¹⁷ Olatunji Obasa, Cleric arrest by FCT Task Force, in *The Punch*, Monday, April 20, 2020 VOL 44, NO.22,180 www.punchng.com, 1

some time from the Aso Rock.¹⁸ The Christians Church has not come out of the horrors of the pandemic, as some members still believe in home worship or online services rather than physical attendance of the church services.

Covid-'19 vaccines

The president of Madagascar is against the use of Vaccines prescribed by the World Health Organisation (WHO) for the cure of Covid- '19. President Andry Rajoelina reason for this was that WHO offered him a bribe of \$ 20 Million to poison the Covid-'19 vaccine.¹⁹ This made Andry quit his membership with World Health Organisation. It is proof of 100% that the World Health Organisation are preview to the emergence of Covid-'19 which may be to reduce the world population as the case may be. If President Andry has alleged World Health Organisation openly and wrongly, he would have been sanctioned for it, but till the moment of the compilation of this work, Andry allegation was ignored but the WHO. Then, somebody is deceiving someone. This made some Nigerians refuse to receive the Covid-'19 vaccine as prescribed by the World Health Organisation.

The vaccine has not given assurance of immunity to covid-'19, nor any other virus. People who took the vaccine can still contract the virus by any form of carelessness and are on record of death roles. It means that taking the vaccine has not

¹⁸ Presidency bars ministers, other Kyari's burial attendees from Villa, in *The Punch*, Monday, April 20, 2020 Vol 44, No.22,180 www.punchng.com, 2

¹⁹ Dubawa, Premium Times, May 28, 2020.

prevented one from being susceptible to the killer Covid-'19. Denny Mitchell found it hard to believe that he tested positive for coronavirus in January 2022, despite his strict observation of all coronavirus laws. Adriana resolved that Covid vaccines are not invented to protect people against any sickness.²⁰ Then the study quests for the gain or essence of taking the virus vaccines. So far, no gain in the collection of the vaccine, except the privilege of the permission to travel out of the country or be involved in any governmental assignment. Before the mask is put been on, it is vital to wash both hands with soap and water or use a hand sanitiser which is usually alcohol base.²¹ There ought to be a gain health-wisely that masses could allude to the receipt of the Covid-'19 vaccine.

There are several opinions among Africans on the eradication of coronavirus. Among others, Ayande said and I quote:

I think Africans should come together to the realisation that it is not vaccines. It is healthy living. Give people jobs. Thabo Mbeki once told the world, 'Don't tell us about giving us the HIV drugs in South Africa. Give us Money get us improved and improve our Agriculture. Let everybody have a job and is working and living healthily. HIV Virus will disappear. The same thing with the coronavirus. It will sound very controversial but you should know that I am

²⁰ Adrianna Rodriguez, COVID vaccines were highly effective against infection but the virus has changed, experts say. Americans need to reset their expectations. USA Today, 5.30 am EDT April 17, 2022

²¹ Dr. Sylvester Ikhisemogie, "Wearing a mask has method, Sunday Doctor", *The Punch*, Sunday, April 26, 2020, Vol. 24 NO. 20, 098, www.punchng.com, 26

talking from sound intellectual and scientific background. The virus itself, the test method itself, the PCR (Polymerase Chain Reaction) test method is an unreliable method and is never to be used for diagnostic purpose but genomic sequencing, for just research purpose.²²

To this end, the production of vaccines to the Africa Nations is not what we need. The Africans need proper education on leadership, how not to be covetous leaders and how the populous of Africans will be given Jobs to live upon. The expenses of trillions of naira on vaccines which has no dependent factors should be shifted to introducing better things to African countries that can fetch the poor masses Job and power to be independent on their own. The period of the lockdown in Nigeria was something else as people were hungry and addressed the government with anger and annoyance. Local people confessed that the economic effect of COVID-19 is killing us more than the pandemic itself was the collective cry of the small business owners.²³ Everywhere was quiet and people who would have patronised the businesses were experiencing lockdown. No income and the expenses rise daily.²⁴ It was a difficult period as palliatives were mainly from individual establishments and government own was hidden at

²² Ada Wodu, "Ayade's Anti-COVID-19 war strategy stirs controversy," *The Punch* Thursday, April 30, 2020, VOL 44 NO. 22, 188 www.punchng.com, 3

²³ Jesusegun Alagbe, "Economic effect of Covid-19 Killing us more than the Pandemic itself was the collective cry of the small business owners," in *Saturday Punch*, April 11, 2020, VOL 7530, NO. 19,568, www.punch.com, 22- 23

²⁴ Jesusegun Alagbe, "Economic effect of Covid-19, 23

secret places all over the country and people suffered from hunger.

The effect of covid-'19 throw the whole world into confusion and acted as if it was the terminal disease set by the World for eschatology of the World. President Muhammad Buhari on a particular Tuesday sent a team to Kano State as part of efforts to contain COVID-19 cases in the State.²⁵ The Minister of Foreign Affairs, Geoffrey Onyeama, said at the briefing of the Presidential Task Force on COVID-'19 on Friday that finding a hotel to quarantine the returnees from abroad has been a serious challenge because the hotels believed using their facilities to isolate the returnees could damage their brand.²⁶

Records of death were then on the high increase all over the World. Amazingly, the victims were usually the well-to-do people in Nigeria. The poor men who tested positive for the resulted in taking concussions, hot waters and vitamin C. Many who were having headaches refused to go to the hospital as they will be detained for covid-'19. Many of these poor people are very much alive today. Dr Chikwe Ihekweazu, the Director General of the Nigerian Centre for Disease Control, said we are still for more RNA (ribonucleic acid) extraction kits as we expand COVID-'19 testing Products,²⁷ which were useful in

²⁵ Olufemi Atoyebi, Friday Olokor and Tukur Muntari, "Buhari's People lands in Kano as five more personalities die," *The Punch*, Wednesday April 29, 2020 VOL 44 NO. 22, 187 www.punchng.com, 2

²⁶ Adelani Adepegba, "Abuja, Lagos hotels close doors to Nigerians returning from abroad", *Saturday Punch*, April 25, 2020 VOL 7532, NO. 19,570, www.punchng.com, 3

²⁷ Olufemi Atoyebi, Ade Adesomoju, Success Nwogu, Samson Folarin, Dayo Ojerinde, Tukur Muntari and Ted Odogwu, "Coronavirus: Nigeria

the houses built for the victims of the disease. A close person to the researcher, in the heat of the pandemic, refused to go to General Hospital for treatment, as he relayed that the hospital management will admit any sick person under the record of Covid-19. Not only he, but many people also ran away from hospital treatment in Nigeria during the period and are still alive. A particular person in the researcher's place of work tested positive and resulted in-home treatment and the person is still alive.

Precaution is the previous caution given to people to ward off evil or looming problems. What is currently happening is enough as more disasters should be preserved. The precaution through events in the Old Testament, notably on the issue of Covid-'19 for this study is the quarantine of Mariam. The scope is in the Torah of the Old Testament. The precaution here is separation/ distancing the hale and hearty from positively affected victims of Coronavirus. Experience has shown that children are easily affected by common diseases if they are sleeping too close to one another. Precaution from easily spread disease is to distance or quarantine them from one another. This was what Moses did to his Sister Mariam after the instruction of Yahweh. There must be reasons why Moses in his ministry mentored Joshua instead of his biological sons, to take caution and lead Israel to the Promised Land.

Conclusion and Recommendation

The study concludes that quarantine commenced from the Old Testament, as Mariam's case was the case study from Torah. Other ways out from contacting Covid-19 are such as washing hands constantly, using face masks and constant distances had their roots in the Torah of the Old Testament. The study recommends that the Holy Bible should remain the most authentic manuscript for points and references to all situations and circumstances of life: historically, geographically, religiously, scientifically, psychologically, medically, and in all ramifications of life.

