



Full Length Research Paper

The Contribution of the Liturgical Year of Ethiopian Orthodox Tewahdochurch Calendar Focusing on Unique Characters

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Abstract

Most calendars divide a year into an integral number of months and divide months into an integral number of days. Again days also divide into fraction of hour, minute, and second. However, these astronomical periods second, minute, hour, day, month and year are incommensurate, so exactly how these time periods are coordinated and the accuracy with which they approximate their astronomical values are what differentiate one calendar from another. Biblical calendars are based on the cycle of the new moon. The year is from the first new moon on or after the spring equinox to the next new moon on or after the spring equinox, which means it has no set starting point like the modern calendar. The basic formula for the calendar is found early in the Bible :(Gen 1:14).The light circulating in the Universe is the result of complex reaction in the stars. It is possible to collect the data either direct observation, take key information about the calendar, structured or semi or unstructured informal way of the system. The way of taking the sample in some church father and give the questioner or the asking the father directly. The Ethiopian counting system started from the time Creation. It indicated for us the modern counting system of Ethiopia is herself, but the principle of Fasts came from Egypt. The modern counting system is like to Persia and Jewish even some historians stated that the Ethiopian calendar came from Persia, Egypt and Jewish. But Ethiopia has their own calendar system different from those states. The Bible of the New Testament and Old Testament could be used both countries and there was similar application about feasts and fasts. Ethiopia a year has 4 seasons, the Month has 4 weeks and it is into 7 days. Moreover, the months have different names and the year is called 'Amätä 'mðhrät, but in Egypt the year is called 'Amätä 'sämaytät. In Egypt the binging of the year of the month is 287, but Ethiopia starts her 'Amätä 'aläm during the year of 5500 and her 'Amätä 'mðhrät after Jesus Christ had born. The source of the counting system of Ethiopia that is relating to Adäm, book of Enoch, that of Denial. So one day is 12 hours with 0.4 second. It will be 12 (30 X 0.4) in one month and 144 second, in a year 29, 240. 4 hours in 100 years and 24 hours. After 600 years, it makes one day and the day of pag''ðmën will change from 6 to 7 days. The counting system did not preserve the Government and the church. Because of this the teachers and the schools endanger. The problems which attacked the counting system and this research and take consideration about the counting system of Ethiopia

Keywords:-Calendar, counting, time, second, minute, days

Introduction

Calendar means, any system for dividing time over extended periods, such as days, months or years and arranging such divisions in definite orders. A calendaric systems essential for regulation the basic affairs of civil life for example, agricultural, business, and domestic and for religious abservaricos, and scientific purposes.A calendar is essentially a list of facts arranged in chorological order. During the first centuries of the Christianity there was gradual growth of such lists. The first of a local, then of regional and finally of a universal character. From the secular calendar of Rome the early Christians derived their system of reckoning time and marking annivesavies. Upon this they imposed the Jewish of day week, which was necessary for the observance of the Lord's Day and movable fcasts, such as Easter. The discussion that Polycarp had with pope Anicetus in Rome over the date of the latter points up discrepancy in these early lists. A calendar is system that gives a name to each day. Ancient calendars where based on observations of phenomena such as the waxing and waning of the Moon, the change in seasons, or the movement of heavenly bodies. Modern calendars tend to be based solely on arithmetical rules, distanced from their motivation in nature.

Most calendars divide a year into an integral number of months and divide months into an integral number of days. Again days also divide into fraction of hour, minute, and second. However, these astronomical periods second, minute, hour, day, month and year are

incommensurate, so exactly how these time periods are coordinated and the accuracy with which they approximate their astronomical values are what differentiate one calendar from another. For instances, Jewish that counted their calendar by the Genesis of the origin and the calendar of Greek could have competition Olympic training in 776 B.C and so on. Most of the oldest calendars were lunar calendars, based on the time interval from one new moon to the next a so-called lunation. But even in a warm climate there are annual events that pay no attention to the phases of the Moon. In some areas it was a rainy season; in Egypt it was the annual flooding of the Nile River. The calendar had to account for these yearly events as well. Biblical calendars are based on the cycle of the new moon. The year is from the first new moon on or after the spring equinox to the next new moon on or after the spring equinox, which means it has no set starting point like the modern calendar. The basic formula for the calendar is found early in the Bible: (Gen 1:14).The light circulating in the Universe is the result of complex reaction in the stars. We shall come back to them in the third part of this work. At this stage in the Creation, however, according to the Bible, the stars were not yet formed. The “lights” of the firmament are not mentioned in Genesis until verse 14, when they were created on the fourth day “to separate the day from night”, “to give light upon earth”; all of which is accurate. It is illogical, however, to mention the result (light) on the first day, when the cause of this light was created three days later. The fact that the existence of evening and morning as elements of a single day is only conceivable after the creation of the earth and its rotation under the light of its own star, the Sun!

Materials and Methods

In order to attain the above stated objectives both primary and secondary data will be gathered and analyzed. During the research period, the data will be collected through or by employing the church calendar method. And the study mainly relies on the qualitative and the quantitative data used. Sometimes some argument and enrich of the study to take. Primary, it is the data that collected from the researcher and the insight about the use of the calendar in the country. It is possible to collect the data either direct observation, take key information about the calendar, structured or semi or unstructured informal way of the system. Final the way of taking the sample in some church father and give the questioner or the asking the father directly. It is sample of survey method. Secondary, to use secondary data collection from books, journals, magazines, internet or other system of getting the full information about the calendar. Observation and Interviews Questioners and other simple way could be used.

Analysis and Interpretation of results

the data which was collected from the respondent based on distributed questionnaires and interview to the scholar of the calendars were analyzed and interpreted. In the data analysis, the symbols (%) are used to mean the frequency and the percentage of respondents respectively.

Results obtained from questionnaires

The researcher of this research in the Ethiopian computing system considers the concept of the people about the calendar of the mother countries. To read question, to ask the people and collect the response as consider as source of this research. The researcher gives question as closed or short or choose questions and open questions. The distribution of questioners are in the Theology of the church universities of the country either private and Government Bank of private and Government Bank and other institution the researcher gave 33 questioner paper and the whole paper back to the giver. From this the questions and the response of client are written in the following type.

Table 1: Response to question 1

Item	Response	Respondent	
		Frequency	Percent
You are Ethiopia and so can you be used Ethiopian calendar or not?	A Yes	33	100
	B No	0	0

Table 2: Response to question 2

Item	Response	Respondent	
		Frequency	Percent
From Q1 if yes, How do you know the compute system?	A I did not much, but I asked the church fathers and read the books to know about the calendar.	3	10
	B It is related to the Jesus Christ holiday or X-mass.	4	12
	C I did not know the Ethiopian calendar	3	9.

D	To know some.	7	21
E	Did not much, but know years, months, weeks, days and hours never compute back and for word years.	10	30
F	Ethiopian calendar is Julian calendar	1	3
G	I did not know much, but I heard it when the time of new years were explained by the church father.	5	15
Total		33	100

The researcher gives this question the people who can be used the calendar or who can't be used. All persons who gave the questioners to answer yes and the researcher understand from the response the application of the calendar is not dying. From the given data the Ethiopia people used their calendar as it is. This questions show to measure the ability of the people about the calendar of the country. Due to the above answer the whole respondent answers yes were given as those responses from the respondent in the table. But the 16 respondent are not answered directly because they gave response different from the questions. Total 48.5% is not answered.

Table 3: Response to question 3

Item	Response	Respondent	
		Frequency	Percent
In Q1 your answer is 'No' why did not you use it?	No	0	0

The question is indicated that why did not the Ethiopian people use their calendar? Why did the reason the people use the country calendar? No one answers this because in number 1 all said yes.

Table 4: Response to question 4

Item	Response	Respondent	
		Frequency	Percent
Really the calendar of Ethiopia is Ethiopian?	A Yes	27	81.8
	B No	4	12.1
	C Unknown	2	6.1
	Total	33	100

The question shows the calendar of Ethiopian is really Ethiopian or not? To answer this, almost 27 respondents say yes, it is Ethiopian and 4 respondents are not. The researcher believes that the calendar of Ethiopia is Ethiopian, but some information takes from others calendar.

Table 5: Response to question 5

Item	Response	Respondent	
		Frequency	Percent
In question 4 your answer is yes what is the reason? And explain the reason	A The country people are well known the calendar and applied their agency.	10	30
	B The country people have different computing system, but the national computing method is one that is EOTC calendar. From this it is Ethiopian. It is also not good reason it is Ethiopian.	10	30
	C It keeps the original calendar of the world and to transfer to their child due to this the calendar is Ethiopian.	6	18

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	D This counting system are given to human beings we read such things on genesis book and kufale books our country Ethiopia is usand kept it still now as biblical and now the whole world and other Africa countries accepts the Ethiopia calendar. In the new million the Africa countries president decided the Africa millennium and African calendar.	4	12
	D No answer	3	10
	Total	33	100

According to the respondent most of them answered yes and the researcher accepted those respondents. The questions suggest the calendar is not Ethiopian to answer this about 12.1%. Those persons are not understood the Origin of Ethiopian calendar.

This question shows that which institution used the Ethiopian calendar or not. From the table we understand that most institution used both calendar, but some institution used only Ethiopia. It is the smaller percent than European institution. These answers indicate that we can't do anything before now we are hard working and changing this system to use the country calendar, that is governmental and private sectors that lived in the country can't used Ethiopian calendar to give reason. European calendar as a result of the police directly or indirectly connected with European countries. Due to this the persons that can teach and organize the foreign agency.

Table 6: Response to question 6

Item	Response	Respondent	
		Frequency	%
In Q7 your answer is used both why not used both calendar?	A The college is institution and foreign teachers could be taught in the college to help them, to communicate other world persons	3	10
	B Working in designing website, page and internet appreciable due to this we used both calendar because the information transfer to both peoples.	9	27
	C I gave answer the church activities now the expansion of the EOTC to outside of the country and we communicate both people to show those people their own calendar and language.	1	3
	D The behavior of the institution by using two languages of European and Ethiopian are to write the Letter and to tell information to the worker. Either Calendar system can be used, the year budget, plan of activities in Ethiopian calendar and the High school and Higher education teaching system in foreign Languages due to this the application of the European calendar	12	36
	E To communicate foreign institution must be used foreign calendar and in home country used their calendars.	8	24

This question shows the application of two calendars and reason out why is it both used? From the given data the two calendar used in higher institution for helping the foreign worker and participant. It is not a reason used the European calendar as working calendar.

The effect of Globalization in our country, now we can be read to apply our calendar as nationally and International communication as it.

Table 7: Response to question 7

Item	Response	Respondent	
		Frequency	%
The Ethiopian calendar is different from other and it is unique to other what is the reason is it unique?	A <ul style="list-style-type: none"> It is unique because if it has its own count of Feasts, Fasts of Epact, Mātq̄ and Mebaja hammer E.T.C. It computes. Its Feasts and Fasts by their computing method, Absolutely religious 	6	18
	B <ul style="list-style-type: none"> The source is absolute, that is the Biblical book. These countries many things that can have 	8	24

	the world.		
	<ul style="list-style-type: none"> Their philosophy. 		
C	<ul style="list-style-type: none"> The number of the calendar is religious wisdom. The day completing system stats as the finishing of summer and the sticking of lowering time The month has equal 30 days except pagumen. 	8	24
D	Not knowing the reason	7	22
E	<ul style="list-style-type: none"> Unique countries believe God and keep the laws and regulation of Moses in ancient time and also accept the new testament of Jesus Christ taught and she kept the Feasts and Fasts with in Administration law and regulation. Is real right? To show the x-mass of Jesus Christ and others said many things because these are not normal calendar system except Ethiopian. It kept from ancient to now It got from the bible and developed by the country scholar Now it is African calendar because of this the gift of Ethiopia is not gift of others but Ethiopia is one of African country. Due to these the Ethiopian calendar used as the Africans. 	4	12

This question shows that the unify behavior and unique property of the calendar of Ethiopia from other country. The researcher understood from the respondent filling and suggest about this questions. Those are the church accepts it is right and continue to use and other world countries accept the European calendar by suppressed of globalization to change their calendars. But Ethiopia did not accept the idea of change and change of their calendar. I suggest that the calendar of Ethiopia changes and similar to European because of avoiding brought. It is not reasons of commit, but it is personal idea.

Table 8: Response to question 8

Item	Response	Respondent	
		Frequency	%
The Ethiopian calendar is Different from European calendar what is the reason?	A know	21	63.6
	B unknow	12	36.4
	n		
	Total	33	100

The question of this to understand low many is understood Ethiopian calendar different from European? How many are not? Thus 63.6 from the gives question know the different to b/n Ethiopia and European calendar the rest could not know.

Table 9: Response to question 9

Item	Response	Respondent	
		Frequency	%
In Q11 your answer is yes know write the difference shortly.	A <ul style="list-style-type: none"> The difference between them are <ul style="list-style-type: none"> Days from 7-10 Name of days and months The difference between 7-8 years 	4	12
	B The European calendar did not know pag''ômēn the day of months of the whole are not ever some month has 28, 29, 30 and 31days.Whereas Ethiopia has pag''ômēn	6	18

and equal 30 days except pag'ʼəmēn 5/6 days

C	The Ethiopian calendar based on Biblical and X-mass of Jesus Christ where as European based on events, history and others activities.	6	18
D	The country system of European is based on history of their kings or country while Ethiopian is based on human being or creation of the world. Due to this the Ethiopian calendar is the base of Bible and the king of the world or God, but European is not	10	30
E	The differences started after the monk of Gorgonians due to his calendar explains of the days are 10 and years are 7.	3	10
F	No answer	4	12
Total		33	100

The researcher observed the feeling of the people about the knowledge of the calendar in their country.

Table 10: Response to question 10

Item	Response	Respondent	
		Frequency	%
Is the Ethiopian calendar used in the country religious?	A Yes	30	90.9
	B No	0	0
	C Unknow n	3	9.1
	Total	33	100

This question to show the application of the country calendar in the country religious agency. This question that answered yes is 90.9% most religious agency can be used the calendar of Ethiopia i.e. most of the people of Ethiopia is Orthodox. So the EOTC people can be main usable of the calendar.

Table 11: Response to question 11

Item	Response	Respondent	
		Frequency	%
In Q13 your answer is yes why is it use?	A It is used to know day of Fasts and Feasts	12	36
	B Feasts respect the change of years and keep seasons and use the pastoral holiday or Feasts.	5	15
	C For teaching Anaphora	5	15
	D The change of years show the change of Evangelist	2	6
	E the religious agency of Ethiopia other than EOTC told as the indirectly application of religious distribution of EOTC it is fear because it is the only national and instructional calendar of the world to start the creation of the world	6	18
	F No answer	3	10
Total		33	100

The use of the calendar in religious agency in Ethiopia from this 90.9% of the respondents gives.

Table 12: Response to question 12

Item	Response	Respondent	
		Frequency	%
In Q13 your ans. Is no what is the reason to give it?	No	0	0

Table 13: Response to question 13

The question of this the people answered no use so reason out the reason did not give- no answer because no persons select it

Item	Response	Respondent	
		Frequency	%
Can Ethiopian calendar be used in any direction or not?	A Yes	30	90.9
	B No	0	0
	C Unknown	3	9.1
	Total	33	100

This question started that what is the function of the EOTC calendar in the country and the society? Form this 90.1% of respondents gave yes we can how got use from the calendar.

Table 14: Response to question 14

Item	Response	Respondent	
		Frequency	%
In Q16 your answer is yes in which condition to give function to the country?	A <ul style="list-style-type: none"> ▪ almost all Ethiopian people used that is it is national usage of the country ▪ any activities of the country works with in this calendar ▪ to is the only calendar of the world ▪ it is economical and cultural value to the country the holiday Feasts and others ▪ it is used to the new year respect, national Feasts, and other 	27	82
	B No answer	6	18
	Total	33	100

To show the functionality of the Ethiopian calendar to the society no it is not much effect of Ethiopian calendar much but it is affected any activities of Ethiopian cultural in tomorrow.

Table 15: Response to question 15

Item	Response	Respondent	
		Frequency	%
Does the European calendar affect the Ethiopian Calendar?	A Yes, it is affected	18	54
	B No, It is not affected	6	18
	C Nothing	9	28
Total	33	100	

The question of this show effect of European calendar on Ethiopian calendar. Due to this document the European calendar affects Ethiopian calendar.

Table 16: Response to question 16

Item	Response	Respondent	
		Frequency	%
In Q18. Your and is yes affected in what condition is it affect?	A <ul style="list-style-type: none"> ▪ It affects different activities unvisited, institution of private and government college and developing organizations ▪ Its calendar is not known other world and also its culture and other gift of the country is not thought others. ▪ It affects the religious and Ethiopian culture 	15	45
	B To accept not only the calendar but also the culture of the European due to this change like Ethiopian to European we see this behavior in most Ethiopian city and forget the Ethiopian culture, tradition lead of Fasts, Feasts and dressing etc. Our Economical base is not good and the Foreign Agency give indirectly to teach their Culture and Calendar.	5	15
	C The only usage of Ethiopian calendar is Ethiopian but the European calendar come in Ethiopian affects its calendar	5	15
	D Except the church school other Ethiopian did not know the computing system for the calendar due to this they accept the European calendar	8	25
	Total	33	100

Table 17: Response to question 17

This question shows that effect of European calendar on Ethiopian calendar. Due to this result 54% of the respondent answer the effect of the calendar on our country there are:

Item	Response	Respondent	
		Frequency	%
In Q18. Your answer is not affect now but there is effect in the future in what condition is it affect?	A The European focuses in higher Education and agency to use their calendar and other culture freely.	20	60
	B The next generation forgets any national Feasts and Fasts due to processing of European calendar for long forms.	4	12
	C Due to the globalization of the works affect Ethiopian culture and calendar do realty or in directing.	6	18
	No answer	3	10
	Total	33	100

In this question the European calendar did not affect now but it will effect in tomorrow way?

Table 18: Response to question 18

Item	Response	Respondent	
		Frequency	%
In Q18 your answer is affects or if will be affected in what condition on the problem observed?	A The strategic attention keeps this Ethiopian gift and the research of institution studied it a detail and shown the people of the country to give.	16	48

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	B	To teach our calendar and give attention in Ethiopian calendar before European.	4 12
	C	To work with the world and announce the calendar of Ethiopian and give attention first ours.	6 18
	D	We are teaching in the teaching police of Ethiopian ministry of education.	3 10
		No answer	4 12
		Total	33 100

To answer this question the resistance of the European calendar without effect of the country.

Table 19: Response to question 19

Item	Response	Respondent		
		Frequency	%	
Does the Ethiopian calendar teaching process in your attitude? In which situation and behavior	A	Almost all eradicate or less because of small no of scholar of the church know due to those person die every thing stamp up.	6	18
	B	In 2000E.C the Ethiopian millennium is very interesting announcing of Ethiopia calendars and other visions. But it is not included in our curriculum, In the church the first period of the storing New Year tells to the leman it is not enough.	20	60
	C	Not giving the teaching system or traditional teaching method is not enough kept? It completes to other.	6	18
	D	No answer	1	4
		Total	33	100

Table 20: Response to question 20

Item	Response	Respondent		
		Frequency	%	
The Ethiopian calendar is ancient, but now the Ethiopian living private and governmental agency not used much what is the reason not used?	A	Most of Ethiopian institution can be used its calendar except some agency.	6	18
	B	Many document and information work in European calendar and also used it as a fashion.	10	30
	C	It due to the coverage of the world in European calendar. The Ethiopian people do not give value for their calendar. We can't be needed to know our calendar very less.	10	30
	D	Most of agency used computer this computer adjust or among by the European calendar and effect of Globalization.	4	12
	E	No answer	3	10
	Total	33	100	

This question shows the use of the calendar in the country institution can't be used why conditions is not used?

Table 21: Response to question 21

Item	Response	Respondent	
		Frequency	%
The continuity of the Ethiopian calendar in the usage of their agency as the rifts of their calendar how are you said?	A <ul style="list-style-type: none"> ▪ To distribute for all the country agency as curriculum form ▪ To print out either soft copy or hard copy. ▪ To teach their follower properly ▪ Generally, we are working hard about it because it is the African calendar. 	20	60
	B <ul style="list-style-type: none"> ▪ The calendar can be given as one department in the country higher education religious institution. ▪ The high minded scholar about calendar participates in normal curriculum of education and research institution. ▪ To give for new generation for this Ethiopian gift by shown way. ▪ To develop economical and display their calendar to others. ▪ To use any country agency. ▪ To help ancient schools of Sunday show the way of organization again. ▪ The state kept is as law and regulation. 	10	30
	C No answer	3	10
	Total		33

The development of Ethiopian calendar and why of its country, nothing to do about it because of no school of it and the affect of globalization

Results obtained from the interview

As stated earlier interview is one of the methods that can collect reliable information from the primary source. Based on this assumption the researcher has conducted interviewer with four scholars of Ethiopian calendar and their responses are analyzed as follows.

Interviews

Initially the researcher of this work identifies the most important scholars in the field of modern counting of the calendar. However, due to unavoidable circumstances, four of them could not ask questions and answer in the following forms. This interview is, therefore, based on answers given by these four scholars (it should be understood that these are among the highest authorities on this Matter). Among these interviewers two are members of the council of Scholars, one is an instructor on Abūškar at the St Paul Theological College and the other is a number of the Ethiopian Bible Society.

Background of Interviews

Name of Interviewees	Position of Interviews
Mamiher Yarede Fanta	He is scholar of Abūškar Instructor of Abūškar in St Paul Theological College.
Like Heryan Gatachaw Gagdae	Head office of Translation Holy Books in Ethiopia Bible society.
Megab beluye seyfasel ase	Member of head office in E.O.T.C Scholar.
Like Seyuman rade Asres	Member of head office in E.O.T.C Scholar

The above table shows the bio-data of heads and exacts of Abūškar, regarding to their position .All respondents are the church scholars, who serve in the different church fields, which they were venerated: Interview I

Q1. What is the source of the modern counting system in Ethiopia? :-All of the 4 interviews presented similar answer that the Holy Bible was the source of modern counting system in Ethiopia. They believed that one of the books of Enoch and Kufale are the main hints of the counting system. However, in the book of genesis chapter 5 and also in the book of Chronicle chapter 1 and Chapter 4 is stated that the modern counting system during the Epoch of Adām.

Q2. Where does the Ethiopian calendar derived from? Either Egypt or Parsia or not?:-The three Scholars give the same answer. When we say modern counting system, it includes everything where exists starting from these world. The Ethiopian counting system started from the time Creation. It indicated for us the modern counting system of Ethiopia is herself, but the principle of Fasts came

from Egypt. The answer of other interviewee are different from others he said the modern counting system is like to Persia and Jewish even some historians stated that the Ethiopian calendar came from Persia and Egypt and Jewish. I accept this idea. Ethiopia has in some calendar system. The Bible of the New Testament and Old Testament could be used both countries and there was similar application about feasts and fasts.

*Q3. What is the similarity and difference of between the Ethiopian and Egyptian modern counting system?:-*For this question all Scholars give the same answer. Concerning this similarity of modern counting system both has 365 days in one year and 30 days in 12 months and additional 5days or 6 days. The two countries have the same Holidays and Fasts days. In the case of difference, Egypt has 3 Seasons and 3 months have 3 weeks and one week has 10 days. But in Ethiopia a year has 4 seasons, the Month has 4 weeks and it is into 7 days. Moreover, the months have different names and the year is called 'Amätä ' mōhrät, but in Egypt the year is called 'Amätä ' sēmaytāt. In Egypt the binging of the year of the month is 287, but Ethiopia starts her 'Amätä 'alām during the year of 5500 and her 'Amätä 'mōhrät after Jesus Christ born.

Q4. What is the difference between the modern counting system of Ethiopia and European? How did the different of 8 years come from?:- For this question, they give different answers. One of them say that the modern counting of Ethiopia started from the time of creation, but the Europeans start from the time of the birth of Jesus Christ and they count the date before and after the birth of Jesus Christ (B.D and A.D) and the 8 years in beguile the difference of the moon and the sun. It is not the difference of Ethiopians and European Counting system. The years started from Adām to the birth of Jesus are 5500. It is the sun counting system to change it into the moon counting system because the moon counting systems are 19 years cycle we should divide 5500 to 19 gives as 289 and remainder of year is 9 and birth of Jesus was 9 years which remainder from new qāmār from one year but the remainder is 8 year. This 8 year difference came from the gap between the sun and the moon. So in the sun counting system, after the birth of Jesus Christ is 2000, but in the moon, it is 2008 because they count the system of the moon and this 2008 in N.T, it is said Ametemhret and expressed in Abusaher in (page 26).

*The three interviews give the same idea that is:-*The calendar systems of European and Ethiopia have 8 years difference and 7-11days.After they decreased from7 to 15 years within different sources. According to the above scholars the difference 8 and 7 years between the European and Ethiopian calendars differ after the monk of Dionysius in 532 Year. But before that the counting system are the same.

*Q5. What is your assumption about Pag''ōmēn that is in 4 years on time it becomes 6 and some said as it become 7 within 600 years one time so what you says about this?:-*The answer of this question gives good concept based on this research. The three scholars give the same answer. In the Ethiopian counting system of the year is 365 days and 6 hours and 2.24 minute. After the forth years it becomes 6 days, these extra days came from the Kecrose and other fraction of time added together and gave as one day. Again after 600 year, those fractions of time will give as additional one day. Thus the 6 days will increase by one day, i.e. is 7 days, but it is not used in our calendar because the lost of feast like X-mass to reduce to Dec 27 days. So it is presented in idea and wrote in the Book.

*Q6. Pag''ōmēn changes after 4 years why does it bring the change of the feast? What is your assumption on this point?:-*For these questions gave the same answer, but one scholar answers different. The scholar of Abūškar brings the difference because the birth date of Jesus Christ is celebrated in 28 days after forth years, the idea derived from Egypt. The other scholar considers about the birth date of Jesus Christ because the birth of Jesus is the base of the counting system. The Ethiopian scholars use the counting system of the calendar of the sun and the moon.

*Q7. The Ethiopian considers Pag''ōmēn at one month, but the European does not use it, why does not the Pag''ōmēn use?:-*These questions help us know about the difference counting system of pag''ōmēn and difference persons answer. The days of pag''ōmēn distributed each month and the cause of the deference is in Ethiopia and Egypt came the date of Pag''ōmēn from the book of Enoch (Hen 28:18.), but other Europeans do not have the month of Pag''ōmēn. Finally, the other scholar said the days difference of the Pag''ōmēn derived from Egypt.

*Q8. There are different modern counting system of the days from 7-11 how did this difference occur? Why?:-*These questions give good understanding about the different counting system of the days. All of them gave the same answer about it, there is different number of days when the days are the month of September for Ethiopia. It will be 10 days for European the difference was began in 1575 E.C. and in 1582 A.D. in the time of Pope of the Rom Gregarious the 13th. According to Yaulyos calendar the year was 365 within 6 hour, but Pope Gregarious weeks, times and minutes are considered as the system of counting. Generally, it can be a full year with 5 hours, 48 minute and 46 second, but 11 minute and 14 second came from the interviewer ideas.

*Q9. Within the education of modern counting system Demetrius said that qāmār started on Tuesday and Hässäbä Bezinen said on Sunday and Hässäbä GundäGundä said on Friday what do you say about it? :-*The answer which is given by all scholars are similar. Demetrius makes Mebach as introduction in order to count the calendar. According to Bizen the world created on Sunday and the

number should start on Sunday, but the GundäGundë believed that Adäm was created on Friday and the Bible said the life of Adäm is 930 the beginning time of the world, so the qämär started on Friday. But the E.O.T.C dean concepts accepted the Demetrious.

*Q10. Why does the Ethiopian modern counting system use the sun and the moon to count the calendar other than animals? :-*The person who interviewed in this question gave the same answer. The cause of the Ethiopian modern counting system used the sun and the moon is the Biblical application and reference used the sun and the moon to count the years and book of Enoch is one of the listed evidence, like this the book stated that the 4 years named as represents in the 4 Grate Stare.

*Q11. What is the main function of modern counting system of Ethiopia? :-*This question gives idea about the use of modern counting of the country. The whole Scholars who interviewed as:

1, the years motivate the person to develop good development and growth. We know what we did in the past and what shall we do in the future of the country?

2. It leads ourselves in order to finish what we planed and motivate every representative body to facilitate their works in e every time of the country and have good understanding about the value of time.

*Q12. Did the counting system of Europeans influence the Ethiopian? :-*The counting system of Europeans influenced the Ethiopian counting system because the Ethiopian counting system does not get acceptance European.

Conclusion

The aim of this research is shown the principle and the advantage of the Ethiopian counting system. In this research a lot of things are explained about the source of the counting system, the educational system of counting from the beginning of the creation up to now. In this study, the researcher prepared closed and open questions for Governmental bodies, higher educational institutions like university and colleges, different churches and its administrative persons and mahiber kidusan administrations. He collected the answer from them in this research. The researcher also prepared questionnaires and interview different persons and also organizational members of EOTC, Gubay likaunt, different fathers of the churches, especially, N.T and O.T teachers in the Holy Trinity Theological College and Abūškar teachers of S.T Paul spiritual college. The main body of the research is chapter 2 and 3. In this chapter many ideas are explained about it; the source of the counting system of Ethiopia that is relating to Adäm, book of Enoch, that of Denial. The researcher also explained in detail the advantage of Ethiopia and the contribution of its counting system.

The resolute of these thesis's indicate that the following points: The source of the computing system of Ethiopia is Biblical, that is the Book of Enoch and the Book of Kutfale. Even though the counting system of Ethiopia had relation to the counting system of others and it has its own special character which is not taken from others. The different of the dates and years in the European and Ethiopian counting system started during the coming of the Roman religious fathers. The researcher found as one day is 12 hours with 0.4 second. It will be 12 (30 X 0.4) in one month and 144 second, in a year 29, 240. 4 hours in 100 years and 24 hours. After 600 years, it makes one day and the day of pag''ömēn will change from 6 to 7 days. In this research the researcher searched that satirical foundations about the movement of the earth around the sun and the time, date, and years counting system was Biblical and it was stated by church scholar. The result of this research indicates different things which influenced the counting system of Ethiopian some of them: Everyone who lived in Ethiopia, but most of them do not know about its computing system. The education of counting system is very difficult even for traditional students of the church. Because it does not paper in modern system. The counting system did not preserve the Government and the church. Because of this the teachers and the schools endanger. The researcher explained the problems which attacked the counting system and he wanted to recall everyone to read this research and take consideration about the counting system of Ethiopia.

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