

$$\text{...eff ch} = m_{1211}$$

$$(\text{m osr}) \text{ antiderivative} = \text{ex } 214, 2119$$

$$i^{\text{frep}} = \text{res eq } m_{1211}$$

$$\text{...the polar form} = i^{\text{nos 11211}}$$

9^oCDF

Next I went to talk with Cep, and explained that I had been beered up by the Presidents the day before and hence had missed the ceremony. Then I sat down awhile to watch the proceedings. The music started (bas'i son) — (this time, the same Chamula who had played violin before was playing guitar, the guy who had played violin for the martomorey during the Fiesta was playing harp, and good old Cep was playing violin.) — and after awhile the is'inal mexon, the mayol, and the is'inal martomorey came in and started to dance (after giving me pex). The music went on and on, and finally the men peeled off from the line and bowed in the following order: mayol, martomorey, musicians, me, moletik and scribe on near side of table, moletik and scribe on far side of table. Then he danced in front of the altar. Similarly, the other celebrants peeled off and bowed up the lines. When they had all bowed around (even the 2nd martomorey was pretty sober) they went to the corner and started distributing the salt.

The salt went around to everyone (including the scribe) (who was sitiing on the bankilal side of the middle table) and the evident price for salt was 20 centaves. After passing out salt there was a very long period during which the celebrants danced and prayed by the salt cache to the left of the main altar. During that time, a guitar string broke (Tuet!) which did not interrupt proceerdeings very much. (I wonder what happens if a violin string breaks... I seem to remeber that happening; the harp and guitar carry on alone. If a harp string breaks??) I also notice that the harpist, Martik something-or-other, plays the harp left-handed, or at least backwards. Ver strange. After awhile Cep just quit playing, and it was obvious that the musicians were glad. The Chamula showed me his grooved playing fingers.

I approached Bure on the subject of getting a trio of musicians into San Cristobalt the next day. He talked with Cep and we'll three tried to convince the present harp player to come. He didn't seem too anxious but finally agreed. I had luckily stopppd to buy string pex at the Chamula bar that morning, and I offered around a kwarte. It got grimaces universally from everyone in the room, including (notably) the usually impassive mol alkalte. Then I packedup and left.

Monday, 22 August

My musicians came very late. We had to drive out to Htekulum to get a guitar and then recruit a guitarist at the market. Some youth from Necih. We recorded until 4:30, at which time I had to pay the bloody guys fifteen pesos each for the long day. Then was that grand San Cristobal socialevent, the Banos party.

Tuesday, 23rd to Thursday, 25th

Typed notes, transcribed tapes, and prepared for the paper.

Lah ne'ox yepal lah It is finished, that's all.
 Hk'antik pertonal, listmas We want pardon, license
 Ik'ox i na li nicime, yanalte We change the flowers, theyes.
 C'ul Martil/ Piarol Divine Martyr, Guarantor.
 Zoboletik Sun, Itoletik Sun We gather together, we are together.

Alk: Lesana kantel,
 hvabahometik, ak'antik
 pertonal.

This long bow is carried to the musicians, which stops the music. Afterwards all sit. Then:
 Light candles,
 musicians, you want pardon.

Tsey kneel and pray. (Who givesthem
 candles??)

Prayer:
 Dies Kahval
 C'ul Martil/ Piarol
 Lah ik'ox nicime/yanalte
 C'mantik exebal kras/
 exebal bentisyon
 Tey ohhpach/hincken
 K'elon ???/ ?Men ??
 He'un o k'op matal/
 La noco/ la koleme
 La kabtele, patane

God My Lord
 Divine Martyr, Gurantor
 The flower change (eye-change) is over
 We borrow (?) the three (??)

Alk: K'obentik, hvabahometik.
 Hkux ko'entik.

There on my back, on my side
 ??
 I obey your word, your advice
 The servant, the rooster
 My work, my back? (?)

When this is finished, another set of long bows is initiated by the alcale: Bow (?) musicians, we will rest our hearts.

Mol: Gy kevukel
 Zoboletik Sun/ Itoletik Sun
 Steyel, smuk'ul ta sel
 Sk'ox li nicime/ yanalte
 C'ul martil/ Piarol
 Kuxo avo'nik ce'e, tot
 kahval.

The long bow:
 There is our work (?)
 We join together, we gather together
 We are enlarger, making large
 Change the flowers, his eyes
 Divine Martry, Guarantor
 Rest your heart, then, our father, Lord.

Oc' ak'otah, Stih svab.
 Lah li ak'otah
 Steyel bi, smuk'ul ta sel
 C'ul Martil/ Piarol
 Laho'um, la cestebatik

The dancing begins. They play music.
 (Normal pattern for the music and dance. I cannot understand under which conditions the extra pieces are played.)
 At end, a final long bow:
 The dance is over.
 Raised, enlarged
 Divine martyr, guarantor
 It is finished the seat (of the God: i.e.
 altar?)

Abulahamp kurketik hvabahem
 7oy xiebil, sk'exebil
 C'ul Martil/Piarol

Please, rest your selves Musicians(?)
 ?
 Divine Martyr, Gurantor

Then comes the ritual meal, elsewhere described.

Alk: Lah pok k'obtik, hve'tzik When you have finished washing
humuk vah. your hands we'll eat a tortilla.

Bring a dish for the hands, then a cup
for washing the mouth, the beans,
eggs, tortillas and coffee. Each
musician gets one xalte~~s~~ with beans,
one with egg.

Xak' hp'is.

Alk: Ic'e hsetuk. Abulaham
cape li vobe.

Hv: Kelaval ce7e, tetik
alkalte.

They offer a cup.
Receive a little (pox). Please tune
your instruments.

Than you, then, father alcalde.

Ba7yi sp'is satik.

Drinks proceed through moletik, mu-
icians (according to instrument rank),
helpers, hp'is vo7. When the bottle
is dead, it is turned on its side.
As soon as this is over those who
are going to change flowers go to
pray.

R: C'ul Martil/Piarol
Ta hk'ex ti na nicime,
yanalte.

Tatik ta savaro, srominke

Buc'u xk'ex ta srok' li
syak'ita.

Divine Martyr, Guarantor
I will change the flowers, the eyes

We are here at his Saturday, his Sunday

Those who are going to do the actual
changing take off their black cloaks
(and their headgear, using normal poketik?)

A set of long bows, starting with the
non- performing moletik, then to mu-
sicians.

The performer says:

Father alcalde

~~Thexfim~~ I will change the flowers, the
eyes

Do the work, Regidores

We will change the flowers, the eyes.

Divine Martyr, Guarantor

The other responds:

Do the work then

Change the flowers, the eyes

Divine Martyr, Guarantor

(As soon as the bows are over, the
musicians, who have already tuned
their instruments, can start to play.)
(The song is baz'i son only)

Syale li pop siwenta xak'e
nicim. Stitanik li nicime.

They put down a pop for the flowers.
They strip(?) off the flowers.
(One round of pox.)

7. What about musicians in the parajes:
Hutuk sna7, li hvabahematike; sna7 skwents nupunel, k'in krus,
k'slal buc u xcam, stoy snaik. In Nevenchauck: mas sna7ik,
mas stih têy ta Htekum.
8. The origin of flutes and drums.
R: Only men make flutes and drums. (I.e., the gods did not make
the first ones.) However, these instruments are of equal age
as the stringed ones.
9. Ma ke7oluk li vobe ta yan lum.
Hteso sen stihik ta Camu, parte sen huhum Htekum.
Tenejapa: arpa, sci7uk menek kitara.
Ixtapa: Violin, mel kitara
Cenalho, San Miguel: ~~arpa~~ arpa (played on shoulders), menek kitara.
The songs are said to be different, and lek.
10. Musicians are poor because they don't get paid to play.
11. What kind of man will not serve as a musician?
R: Ta sokol li shole, mu ak'an slo7ilah. Mu xtuhm ta vabahel.
(If he has a broken head.)
12. Which are hard to play (vokol)?
R: 1. Violin, mi hal ta k'ik htihlike, ik'uuum k'obtik.
(One's hands hurt.)
2. Kitara, vuem, snakel li vobe. (One gets blisters from
fretting the strings.)
3. Arpa, ha7 zoa li ste7el. (It's hard when the tuning pegs
are tight.)
13. To borrow instruments: kwarta hukot vob, sik.
14. The first instruments Konseres made were mas hoy, (thinner).
Now they've gotten better. The problem with violins made from
pinaveta is that they: ma x7ek. (???)
New instruments are usually better because, Li mole ta sok
xa hutuk. (Old ones have already gotten broken a little.)

2. (falsette)
 Ha7 ne7ex ta zohelotik/ lotelotik
 K'exina snicim bi/ syanalte
 B//M

3. (falsette) Kuxo yo7on htotik be/ hmetik bi
 Kuxo yo7on smose bi/ skelem bi
 B//M

4. Ha7 ne7ex ta zohelotik/ lotelotik
 K'exina snicim/ syanalte
 B//M

5. Bik'itik nicime/ yanalte (falsette)
 Ha7 na (?) nicim/ yanalte (?)
 - Second part of music for dance
Yox kehol son

1. Zeboleh htotik/ hme7tik // smose/ skelem
 Kak'otah " "

2. Skrux o yo7on htotik / " // " / "
 K'momah " " " "

Tek'ob son

1. Ha7 no me ta zohelotik/ lotelotik
 K'exina za me li snicimbi/ syanalte
 B//M

2. Tek'ob son me ta vinahel/ balamil // yolen yok/ yolen sk'ob
 B//M

3. Pertonal xa me li hsetuk xca/ (htabelik xca?)
 K'usi ne7ex yopal li xiobil/ sk'exobil
 B//M (Cavic' totik ... etc etc etc)

- Third part of dance

Bik'itik... (5th song)

1. Ha7 no me ta zohelotik/ lotelotik
 K'exina o me li snicime/ syanalte
 Bik'itik za Martil/ Pierol
 Martil za me c'ul kahvaltik/ yayatet

2. Bik'itik za Maria/ Rosario
 Vinahel a li anzebi/ ala xinulan
 Maria za Rosario/ xinulan
 Vinahel a li anzebi/ a la xinulan.

Baz'i son

1. Ha7 ne na yec zohelotik/ lotelotik
 Ha7 no nan yec i stoyel o/ smuk'ul ta se
 B//M

2. Pertonal xa hsetuk xa/
 Klabetik o me li xiobil/ sk'exobil
 B//M

Anzon--auton
 + Chala Mery

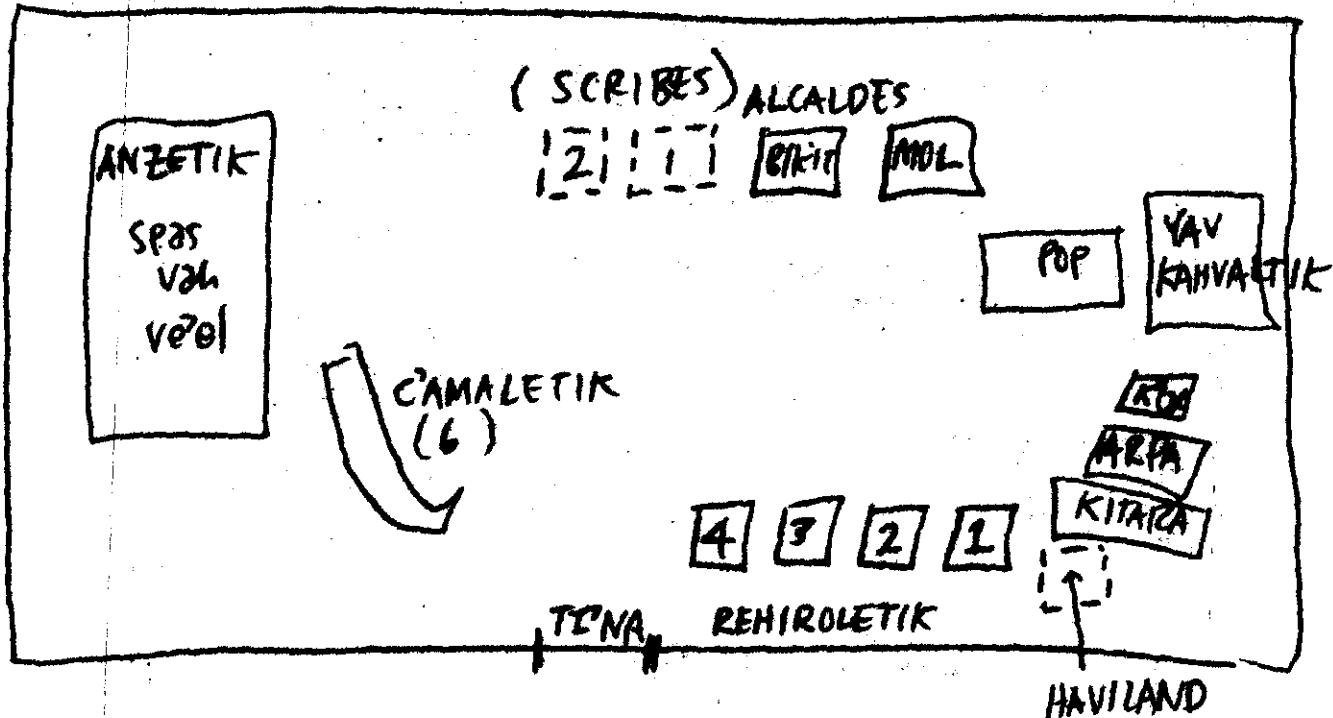
JBE PL#9, p.7

C'ul Martil/ Piarol
Eo'e li savaro/ srominko

Divine Martyr, Guarantor
Pass by his Saturday/ Sunday.
(Response to this bow given as the
same...??)

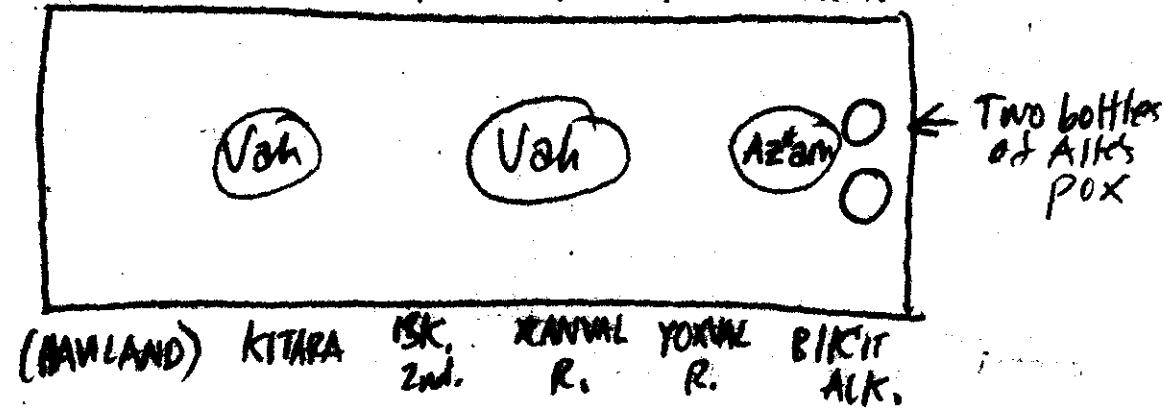
All eat a ritual meal. (No special
description elicited. See diagram
for seating position.)

SEATING WHEN CEREMONY BEGINS



SEATING AT TABLE FOR MEAL

ARPA VIOLIN ISKIRY^{NO} XCAVAL PRIMERO MUL'TA
PRIM REL REH. ALK.



ALTAR

in front of the mol alkalte. This is sik (weak) pox. The bottles are placed in order with the highest at the mol alkalte's left.
(See diagram 1 for reported seating positions in the house at the start of the ceremony.)

All bow to the alkalteetik with the following prayer, as they bring their pox:

Totik, ak'e pertonal hset
tahmek.

Father, give pardon for so little.

Hzobe hbatik

We are gathering together.

Htabetik savaro/ srominko

We are here for (his) Saturday/ Sunday

C'ul Martil/ Piarol

Divine Martyr, Guarantor

Sk'exin o sniwime/ syanalte

They change the flowers/

C'ul Martil/ Piarol

Divine Martyr, Guarantor.

Li rehireletik' shales li
xaketail skwenta sk'ex i
nicime.

The (first two) regidores take off
their black chamarres so that they
can change the flowers. (The mol alk-
alte gives the cue:)

(?) Changd theflowers.

ALK: Valalik li rehirel-
etik. K'extetik li nicime.

O.K.

Reh: Bwenos.
(The music starts along in here somewhere as soon as the instruments are tuned. The words of songs as Zarate played them for me for this part of the ceremony will appear at the end of the description.)

The cargoholders lay out a pop,
as a place to put the old flowers.
They strip off the old flowers, put
new ones on the arch, new boughs.
All this is accompanied by music.
The proceedings are interrupted for
two rounds of pox, and one comes when
the change is complete: once after
the old flowers are taken down, once
in the middle of the putting up of new
ones, once at end. Each round of pox,
according to Zarate, is signalled by
the musicians as they sing the following verse:

Pertonal hsetuk xicbil/
sk'exobil
sk'exina o snicim/ syanalte
C'ul Martil/ Piarol

Pardon so little (?)

They change the flowers, the eyes
Divine Martyr, Guarantor.

(When the flower change is over, there
is another set of long bows. The rkhilos
say:

Our Lord, father

I have returned

Turn over to my earth

Leave the flowers. (?)

R:Tot kahval.
Lisutal 7um
Valke ta hlumal
ta xc'ay nicime.

18. Cep first learned to play the violin, he says, because ka7i hcan. (I understood how to learn.)

19. When could, for example, I start to play?

R: Cep invited me to play with meletik on Saturday since he will be playing violin. Is this, then, the general pattern? (Also note, in field notes for August 21, how musicians are chosen to record for me.)

20. What happens to a man's musical abilities when he gets old?

R: Ic'ay ta sk'ob 7i svobe. (His hands lose their music.) (Note: This can never happen to a young man. ??)

21. With all three instruments, mas lek ta xal son.

22. Which instruments are hard to play?

R: Ha7 vokol li tihel li k'ox vobe. Mu stak stihel. Mu hna7tik smakel (-mak: cover, plug, push). X7ek li arpac (?) Mas lek ta tihel kitara.

23. K'uri 7elan xatih li kitara?

R: Ta hk'eb ta htihlik: ta hmaktike. Ta htihlik ta xeibal hk'obtik.

24. One plays better when seated. Mas lek ta balamil,

25. Who owns instruments?

R: Musicians, but generally they don't have all. Ha7 z'akal yoxebal ta hpasabteletik. (The cargoholders have the complete set of three.) They cost:

\$60 for a harp plus \$15 for strings

\$30 for a guitar plus \$15 for strings

\$60 for a guitar from Konseres (or \$25 if you are a cargoholder...)

Cep's comment: Ha7 baz'i kabren li Konseres.) plus \$3 for strings. (In Chamala, a violin costs just \$30, but there they are made of pinaveta wood, whereas Konseres uses the better segre.)

26. When are there new instruments played?

R: Ta k'exel. When cargoholders are new. (Thus, they aren't needed for fiestas.)

With Cep Zerate at the Ranch and at the Banan, August 18.
 In the morning I tried to get a description of the maletik flower change and to record the music. In the afternoon I asked clean-up questions from my first draft. The second half of the interview appears first.

1. Relative tunings of the large guitar and small guitar.
 R: Mas sinil li mol kitara, mas yecol li bik'it kitara.
 Mas sinil li ~~xtmek~~ violine sei7uk mol kitara.

2. The music for the various cargoholders is all ; ke7ol no7om - i.e., in rhythm and songs, just the same. As for pitch, segun sk'an stig li hvabahemetik.

3/ I asked which was first (which instrument) K'usi ba7yi?
 R: Ha7 ba7yi li arapa, z'akal li violine. Mas k'un-k'un ta scenik arapa. (The harp is easier to learn). Stak-stukik li arapa kitara. (The harp and guitars alone work, are enough.) (Once, according to Cep, there were no violins, only harps and guitars. Now, of course, there are lots who know how to play violin and the three instruments together are better.) (The violin is like the flute in a band.)

4. Pere mas bankilal li violine. (The violin is more snier.)
 Mas xlok' sketol li son. (It plays all the songs better, whereas the harp can play a little, but not all the songs (the whole songs?))

5. K'uxi 7elan muk'evuhin li muc'u sna7 lek? (How does a good musician sing?)
 R: Mas muk' nuptik k'alal yecol li vobe, mas bikit nuptik k'alal mas sinil. (Talking type voice is no good for singing because it doesn't match the music. ≠ mi ke7ol.)

6. Evidently musicians who are special musicians for cargoholders can have more than one job at once if they like. Thus, for instance, Mol Run Lepis playsharp for the maletik. After the flower-change at the house of the mol alkalte, he must rush to the house of the martomorey bankilal for their ceremony.

7. The words to the songs serve as ~~xtmek~~ cues during ceremonies in the sense that, e.g., musicians signal that a round of pox should begin at, say, a flower-change, by singing special words which the helpers hear and, after which the helpers serve. Who initiates the verses is an ambiguous point; the violinist starts singing the verses but he does it only at the appropriate moment. (What the verses are comes out in the ceremony description below.)

8. What do musicians do among themselves at these ceremonies?
 R: Ta xuc' kwarta, ta xlo7ilah hilkeluk, ta xalik. (Kwarta kixin pox.) (They drink quartos of strong pox, they converse a little, they say -
 — Mi catal li ve7ete 'ta valahunet k'ak'al?
 — Mu hna7 mi lione, mu hna7 mi cital...
 — Citalnan.

Silly conversations like this.)

*VALUING THE LIFE (LAWSON) offset by 15

Dear Sirs, I hope you will excuse me to answer this letter before your's. I have not yet had time to go through your very interesting paper.

• 101 •

Small flocks usually feed on seeds and sunflowers, often in the early morning before the rest of the flock has eaten.

one of a set of words.)

•*) *rotfjällande* = jasjölyt i de snöfjällar som är sammansatta av snö och is. *rotfjäll* = rotfjällar.

ANSWER *Yes, you can. In fact, you can do it in less than a minute.*

— 19 — Tercer apunte)

• **SAUVEZ LE TAPIS, C'EST SAUVEZ L'ART**

• 1. Եղանակը հաջող է ԱՅլԻՔ քայլեցնելու (ՀՅՈՒՔ) համար՝ իւրաքանչյան դեպքում:

THE DEVELOPMENT*)

and some of the members* (I, II) have to fill many happy hours like this which
they will never forget. Some children too have many happy hours in the
company of their parents. I am sure there are many more questions to be
asked and many more answers to be given.

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seals to determine whether they belong to the same or different families.

(I tried Renato's 'act-it-out' method at the Banes and got up to the departure to the church, for the martomorey flower change in 7apas. I tried to record everything, though I have some doubts about my mastery of the method.)

Ta xx'ot li7e.

He comes to the house.

(no real greeting)

Kneels at the altar and crosses self.

Hp'is sat.

Prayer:

Dios, Jesu Kristu, Kahval
Iskipula

Ta7tik ta savaro, rominke
Sk'exinal li nicimal,
yanalte."

Jesus God, Jesus Christ, Our Lord
Esquipulas

We are here on Saturday, Sunday
They change the flowers, the

(The two cargoholders are already present. All the musicians have arrived together.)

(There follows this dialogue between Xun and martomorey)

X: Miliote tot martomorey? Are you here, father mayordomo rey?
M: Lione.

I am here.

X: Hvula7antiket

We are visiting you.

M: Lek bi mi la7abulah tal. It is good if you have done the favor
to ~~xx'ot~~ to come.

I have come.

X: Lital.

Sit in the chair, then.

M: Cotlan ce7e ta xila.

(He sits at the head chair for our demonstration.)

X: Cicoti.

You have come together.

(First long bow --- doesn't sound very long to me.)

M: Ak'c pertonal hsetuk, Xun. Except pardon for so little, Xun.
Zobo abai,

Yun have come together.

X: Kolaval betik, to marto-
morey.

Thank you, tot martomorey.

xak' pox --- hm p'is

He offers pox, one cup.

M: Cotlanik, ca7e7ik vah.

Sit down, you're eating tortillas.

Ta ctal kaive sci7uk pan.
(Second long bow, equally short.)

Bread and coffee come, they eat.

M: Abulahan

Do me the favor

Cape li vobike.

Tune (Ready) your instrument.

Tihibeken.

Play for me.

Sk'exinal snicimal ta
kahvaltike

Changing flowers for our Lord.

X: Teyuk, ta xicape.

Allright, I'll tune. (lit. I'll get myself ready.)

Ta heap vob, smelzan vob.

I get the instrument ready, put it together.

Xlok li pekoo.

The martomoreetik take down the old flowers while this happens.

Ta xic' etihel, sk'extik
nicim.

The music starts, they change the floors.

(The music that belongs here is typed and appears in transcription at the end. During the music there are three rounds of pox:
ox p'is, iaho li baltee.) After the music:

15. Vekel li cap, k'un 7171 li escapel, mu stak.

16. Sk'an te7ox sk'oponchot li martomorey, mi ak'an atih?
R: 7Ihk'an. (K'usi 7era ba7yi xak'an ..? No answe) Did
your father or anyone else in your family play?
R: Ha7no7ox imk'an htih ve7one.

17. When you were first learning, how was your tuning?
R: Copol li hcap, mu emelsan ku7un.

18. How do you know that an instrument is out of tune?
R: Ta xka7itik (xka7etik) mi mu xak (?), xvinah (tal) mu szak
eba li vobe. (It appears that it doesn't seize (grab?get?) itself.)??

19. How do you know that, e.g., just the violin is in tune?
R: Lek pareho ta yoxebal. Lek xhoyik yu7un son.

20. K'alal acan acap li vobe, mi mu7 xava7i?

R: Mu xka7etik. Hean go7ex ba7yi heanik k'oxe.
(Note: k'ox vob, or just k'ox is violin. (lit. little instrument.))

21. (Now it turns out that the learning process began before last
year.) K'alal isk'oponot li martomorey, mi xana7 xa xatih?
R: Hi7. Ha7 no7ox ta htih ta k'ine, ta hnse.

22. K Sk'an ta7ox xana7, k'u yu7un xak'an xatih?
R: Sk'an no7ex ko7on, ... hean.

23. When I described more fully the kind of dream I meant in
connection with starting to play music, it turned out that Xun
did not dream. He didn't know if other musicians dreamed. Nor
did he know if having a dream helped you to play better.

24. When and where have you played:

R: 7Ihtih hun7abil ta eklesia, ta sna skwentsa martomorey sk'oponchon
7Ihtih xa li scibal habile ta k'in 7elol habile tey ta 7Apas.
7Ihcan tahmeke yoxebal habil. (Also played for ac' habil.)
(And for K'in Krus ceremonies.)

25. Where did the martomorey learn that you play?
R: He heard me play at my house.

26. Do you play well now? R: Hutuk hna7 lek htih. (But Xun does
not consider himself able to play in Htekum now because he
doesn't meet their standards.)

27. K'uxi 7ealn xalek* ta vabahel? (Enter into playing..)
R: Ta hsob hbatiketik tey ta sna li martomorey. (He played
guitar, it seems.)

28. (Again I ask:) K'u yu7un acan atih?

R: Mu to7ox sk'an li ko7one (when he was ten years old).
Oy to7ox yabtel li htote --- smol alkaite. (His father was mol alkaite)
Xka7i no7ox k'uxi 7elan li vobe. (He heard what music was like.)
(Evidently he was 13 at the time and only then did he get an urge