# The Book of <br> CHILAM BALAM of 

## TIZIMIN

Tizimin: 27 leaves plus cover leaves; 21.5 by 14.6 cm .
Folio 9 and perhaps one or more folios between the folios numbered 19 and 20 missing.
Compiler's name and date not given.
Place compiled: not given.
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Copies: photographs by Maler (1887?), photostatic negatives in Tozzer Library (CA7.c436.ti3), photographs by Anders, published by Akademische Druck, 1980.

Transcripts: anonymous, Barrera Vasquez (1949, ms), Berendt (1869), Roys (1949b).
Note 1: While this manuscript is commonly referred to in the literature as the Tizimin the Mayan name for this town is actually Tzimin.

Note 2: Page Cover 2 v is a copy of a portion of page 19 r of the Ixil with a Spanish translation of the text. The handwriting appears to be that of the same anonymous hand which made copies of various Mayan texts for Crescencio Carrillo y Ancona including a copy of the Tizimin.

| $1 \mathrm{r}-7 \mathrm{r}$ | cuceb | C001-568 |
| :---: | :---: | :---: |
| 7r-10v | u tzol than ah kinoob | J040-462 |
| 11r-13r | u uus katunoob III | F001-462 |
| 13r-15v | u uus katunoob I | D001-477 |
| 16r-18r | u uus katunoob II | Ea01-816 |
| 18r-18v | zac patay haabil | A600-650 |
| 18v-19r | u kahlay u xocaan katunoob I | G001-171 |
| 19r-19v | u uus katunoob I | D480-535 |
| 20 r | u xocaan u bubukil haaboob | A440-480 |
| 20v | u kaba kin, u kinil uinaloob | A001-054 |
| 20v-21r | ah tocoob | A220-259 |
| 21r-22r | Spanish almanac, local notes (in part, Kaua pp. 22-23) |  |
| 22r-27v | u xoc kin (with some local notes) | B001-519 |




Cover 1v

Page Cover 2 r
Blank


 mun sece yal ha bu hide ivi acom itant.
 sun fac mayoyan wich wise Bation
 र. ox mulukn zack pail afice fixu rix of




 कौ















him. outiue drate tant 0 metíen ats

















 bat nom woxcach, tu ke carn be, bis teen than

 जayat woot, hom che, hom henatik+hat
 chensil wuat som dume tion wies see Picanii Bian victa bat hal vg/s ene bll Yyamatyang yotot sac boc, yshetcifec Y̌oís may Cu' rival heho pisine



## 

 wcienit cutililet walic itsan bunz hot tome herethag, valactilithon whin uem
 thene cacin, uper tuu m, nas tambanom th
 Whtoni tat cod bitix, lai wad fin una hinh ho Fiomer widh, he Tahe mit vale, to ho muluc a


 (1) Hin yan hom uil wah, fium yach tue cu bies Youn mon wat baa tule pal he kusid! yoklaip.
 bidh cumal, vaan hiday, vaianti fulan to yur hioh ti tiin ha hab, tix ham beil facg

 nal, pizyou benil sumen bai foch citiah. 7 Cafotit he aut yo Cau patal uctent acyl Amils be hisin who fid set kumil che, ich zul, Eintix, yal tsoun usvotemal hive, uxer temail istrun $\operatorname{sial}^{6}=52 \mathrm{~m}$

Whe bix whinnl urabut ufor chich Meh. tiveal $v$ cetal ex u dilal noth, ctab twe tinn hish phothan cars, se pachil huen ti chat botai dai balatíz lzai can ep pas re throm yot anlet.
 pution be cal timate panc, mincur ukoby tu penguo ric veme hicen ah nox cont fine 4. 4 are ic conoch wace ymax lin.

Nume, vmamab cat, il ke Ger, whatim rim, irexo talibpoman, 隹héhitios, he dïn h Thaturil, vo grit yaliume ríen ouve uhu sip

 frwion $e$ 'a, Hituen, he hin he treb ali, vae etiech hoeb, hed ton farwh caän, leeb tam banomm you, ho pơh fín, ksich, Y. Halex heer vas fiun गon mit vade, mamar bin a jab, cech ahmab noe, cerh ah mab yume, Nik $v 2^{\circ} a$, rechaxe hiz be ne, varí a ranililati cal hyache, hukio yon umot la sohol wuo है!, man ucy mac mok; mak Ain xtial, am aían ABI exma Kan miile Gofe

 Qfitpop lurin ucha mek, hitin celad, man pach Giac vio, to tin upaic ucoo, he rive upo ic yichac cab wh, bïltal ukian chek uyiix, bin I'a. utareinte yoc, vlan ktiab. sumen ufis bie gan wis $6 i$ in h̀ ra, harle co u uiek. hiya haen tit, catitifikwoien bulue chabtan, wa lach. णal whe put uhiaik, uxa hemad ah $\frac{3}{3}$ ox u ut Pabeni ivic, ic vasoacil ian he hesisitepry the vaxire pis hun orle- 22 a

2íhoo a have wil utintituwchan tiyaeb. mil, elonvil oik, eson and calap, to porn ínat tinoh veck, efom wil finit nae echilulie lor ficil, clan Fiume, elom noaeal ormalieq
 ba, 乡, qide ah ika, "Kamic uchich y Cue , a fiom that lun, bin toob nae nemi, xei Gefi anskil hakian, Kispnopi io had.s



 ches tany he fie herenilhen he Laxac pis here brev tch m e $+1 \mathrm{e}=4 \mathrm{~m}$


 Ce.enn, ha Finuter, unve he nan cil n, wit, iv yit.

 fin ycu kinitsin cox Nicl, ve fini
 he ieb, tabiaroamam tab ion be int. Ual UWie, bie om Mrm, perkentin
 $t_{(E) \rightarrow i e n}+$ vonde una
 t Patwn Ca Fioh h unalae rewn

 Zika दiun tix, tue hunste शtant tw hín uke fal so ahaue cmen kivmil lhe, Canil voub yu vub tun ahtegal, thentim Jit iocah, it R仿listaic utepal, patal path Va whah vicah, he mante, at cunah vider in than, tuluch, tusaam, hupop, huhan che, aming




 vul mah rhíós Con yaal, me Aion uata mana tan fint git gaya gaivne can, baine baob, livalu caron hekin, vithe Rat* ah whee yoisip, he tin toc lijil, latai hoil, he ti'n ulu füd yal apop, yadau lac, vatal $t$ eak ken unupiv ah Kin, yax $f i x$, cos han numb yo, umisit verion hyitum ya 1A ui vam, Cusibal ningat mnel an pep, the la nili cai upa ciet brelue ofreborn, the ríthaydutícs pixind diyah her diac, vala. hither wuat buen son-
 yotiot óa ah veotuen pahmypspiánnowny
 virifal, lae hirix he fie chullu fir nib, vethae inituren num you whan torelemal yalumi hen, turitizo
 sim hix vale, tiasogliavip fodl tu tin excal fhom galmax, ox गifat imat ax dí, ax bäi

 umelantat can of hio cen Kib, fimman incuet Q15 yôt may Cury, exi uchom mayapan, hy may cich, hexauk mani vai uman evad yuchul, syentot ihor sidik, chice tum pixix. Pwmay cotun, hai vaar tan कhi hinn, 0 chom lito he Karunil, bioustal wehom, homen lán uh? tunil, cau chi hapai cavel, hekin uha tam la mu muleat, auat nom buct he kis 6 yapo che, $v$ دe<hots, v200 sijil, riya haes lil ah ho a hauvala
 Crhit yoh tirn, vhio ah Rine, tie hot upop, heet an"xpan ir o, cue the lsan, lai e kioch neviul la hes


Bethecil Caver, he hurinte pop tivoilioe litn cuxe pal, an cotin, to, ah caths, $9 a m$, cs 2 th. cah wluik, ah of iol inh, vatal ocab ah res. 6.


 kie nal, thace cah nelet ix tel ach, ha bin wo amil 'VCifition, tu buthecte xitule, pho foluyanal Biar, vyonal Cacen tixisil hen abth Guti hie can-1


 Sla, belay, \%i bo lai can, char bo hai of valae tie cha men ba aillya, tan gol che men yol butan, ise
 vay'val unimya tu cal Ja, , imamer yatume met v,xokmallo Rin, werermald thal, heftion urmil rux ho hool che, hi hodl halan, he tion iomid hom gifil Cab, chor bayat cat, iox ah nuem obini... nuite $=$ oisn $=$
 hum te won, ofinil yalit utyan Aín, ptian monk

 cacne cho luum, voc di it, hata damau mo me, Winthen ya bil, hit bin oche bal othet hatithe mob Ais, "yofivah tich ak $k$ pal cochom, wate

 tu hem wets; ti, han Nut mon hichi ibl, Al yae hemit



 Th ton live, riculnue ud lijil, linel wae al gotic cohion Aot me hyue Aunil, he otic nit he rat ne, 只少! then iny armelsan w yeunt omen, rgean a henthwi
 ter hank ayado wndt ware hen ah zta, tichat ion
 mokel, hyect mil Cusanni), may yan "chem vale
 Mím $2 a m$ coot, ha filin yav par, Nival urhamyo
 Kiv, "max ah Ka, tivalyatis atan ix momum

 Ackimil ah ho ahou, belah mpis heriuchov, UAlu At sum Ci, ndion tiatun, treheeh Hox ches con 12 tis mbers canes fic ulie, canes tic uxace, seti Enil toh be shau, helat capis uale $=$ (man)

2uyop lah wom pis hum nKirril, qiox hun mis lue the nustrpey, if hum/ oc, wAin ute pal, a line morn P: Pe, enxem seome, yor la liusn pis tiation vale
 Iosh, huna cil ulve, wehe bal enumnut thi ni utitof 2an, of enyal uyelel yalaval, yalaughob binue 'mumul dite, hefímil he Alula nit, bo ithaee ente
\$fill.fion choe mumut air, co culbisyehiuls,
 cultum iih canfito, tivar lacken, tan chatian
 pelent aho. She ", "hom ke tan cha Fhanc, linw kom, hisi ABy owe hin an'ab, hislechere



 nit yuklaki chian, kitrinit uma cel vak Ah di.
 Yitil tumen wceefe; miow okiman, num ith.

 tal ivceh, to ka ak chee vayat moec, thek ior anod
 Givian the liade wil bales manen Kim acil yolk
1 oye emal ith Iba, ualac sowman olet set ohe

 Vriven ya Kafun, emomsealatb, emion , ixilit und yahicob, paictu wenet, Ay*e herilo
 Yuchus, var sotartbake Cil, umue ment ba fuhter wie tw Con bi himen hen wale, he fiel huen to fiditvit
 tulah wsan ah As . hise
roon, hofliantab ho fias. Kalal, he hool consonv
 ahtoc ah गus, 台hívirinit umwowlken Lirn, serin uhue tal halal, ho Ahan Minich thinich hukan, bulue ofid ham, bini wil le obeasso bal, yd híl uoulit Cul, u bue dha nil vi be nor uche

 1. Nriose cuit k'atuo, ti ko a fese., thaten \%. he Ainkimil liaten, huwa uit of bo

Kita, Rapan ficke, ע cition uro Katinmat ual yohel usion tattinin, uximblalte akab, tuhe nae Val upperitial, $u$ men u re Niaken, ti u cod angel ah ant bic nal ba lab, ialil ucal uso cotisan., huthi: vo cabil cauae, tiguchal yuk banoni cab, ti tali vpa coxe emel katun, atia hen ixperl och, umunal
 iaga can upiran, lue or
 tuhunk pop, sfiap cuch hation, hex yabank in calot, hixan ouich fiva he ga boun $i$, mam me lint"anic o baraitiaten he ninilo it kinn, al fom ye hat char bobsae beb, ho vom. iy ictine, beremuro - 6 al mil ah2 2ra, maspae sutim chae bul bail, chae futik, ho fín wuch tiutah pop, tah sam., ysklad val u cah ubinel huche, se herrich, upae he ukhk bad bivel ucoh whed arian che, finelucah upop Aichisbe Eeth ox atace vale, titali uyamal ahaulil ohel
 valae neman valac chithin, tiro be voe la huant $v$ seut upecnil ti yohau til fätuon lílo walocya
 turvac la huon benh' Camblue v triestut uki? nil otgai fiatuen thetrin momul wat thatun $v$
 baithh face, Galam ha $6 \%$ nel ren zeth ah oel 10. 4, Kt mis peter. Mis hen yalit engy zimi fil fi nit whah thetinit viih, bin maa nad ka bificína soga tob, umo lin lin lium, binn kike b Givaitr ba, keled, wat nom bud cum the but

yum ox vas kiatun cimie sibe, bin yopense, lio banc, lumenugan Ain "San utah hilitmis Gilfivula hiuntion, rayili ichic vaera cab vosa vabuxe ci ah Pirn chitam y ah Ri'n napue hen is yai fín hun visil hac, vermal, tailuhíh sed muout
 lubuliceik, lai alab tist chilam talam, temen in mab Hue ox ta buen ti Bue, hai bin the bad sin's. Gikm hatir, bun co yel yu bit ende, hetsan ooh, is simes hix maarxan vai yoknd chap af the vcijpmau thae roove whomix yolthuch, wait yith ban
 tosh tiatien y bil anahtc, Dai val tipemancab, hunotid cat mókan cah may apan, 5 moil ums nalije $v^{\text {bon }}$ ath vue chapat, tix wil umanab biret ah vue yolsip valu - - onde


 Ac culya, as at nom ax chic tan nointarys.


 Chatchltar bin val xom bal wat anch cityin ceit hen



 Kox cie, cheen nom nis he macro bemenet bicutit



i.). Nath, srime bin maker
 Ann u中< Thung, fum Nom * cince ix ciucal bucte

 Un तil cacore zibokn hín hen vhиchut "rimit pai
 Whan pi/s'm, ba ah wath cuy, $\neq$, ah chac ms hn thec



 sta wonaten, abimu bevt liaob, ke bo con ámhon

 पopil meitn, yabwementinkin coc, bul, maix tan



 bow ine vayits vec, hotiom ah pilte vchab uma

 ton hun yu हैul chue lan, ba vala y. hatau tid t2



 Curnte sh woxal yof Hellil Cation tivchue whinil)
 6.N..m Lit. visp nom valac oush iavn fichitinit




1. hevac yan tuah hítuon, huhir upai matupaiz

 ratel u cat wiel ufurh whel wnow ase woy o vom taletuc



 pas si wihom may cu oyes uctio bal be stentl tivae ac nit, thy uchon cim cesist maya cimstal riwainon, ix
 Dit fatun = 6x

- Dapoar miulue hatientegop, plamay hen atidionten
 tin whit halach winic, hime vigilchas tritulaia thies.



 tíngolah vaibat hiulale tín hotionti Dooth tipat fís vtot cín ah ming bin yila damulox vinot ucric bsye




$f_{\vec{u}}$, frahlaituchei yernel bunnad tha
 Tiu bition pich the, nikg nob ai Rínor patemot chi


 inllee fiebin chition onleme sitici, tiven hip

 7 yepech, sumente itin cuhe cel yithl itma $A$ yotoed ka hinbin hopes uyala balien, lic, b" kembin ficm diah




 mat is nebil MuA, yoxum, tivaiy, mam ewaih, titialya








 Jucurcx. manievicaithithoní whacle. Namadon





 fibuni, fís m, make ukt fibei re cahalexeli maenea



 cont inku... in at/vin, hix wh/ Ginit, It
























 Yoseina



 Whetikik
 Nrecal


 re-ciutsan, vinice lax ulil ubidul amhi burrena



- iqvar shemc, max luiimiil cuckantenix mai ithale, ieni ah taal peyteni bin a caput liliere, lrix yalan wo n binixin sems hivkiobl, bi mal himet, in find Caixh.















 - Niviah fianen Liu und bale maix ua liux atact wailix Ifohan bismeletey yoh ininul a ilbousy Ci


 man Ain mang




$$
1
$$

Blank

- tily yave, mach an minan 60 bit, 6in ha arectet
 humac buen ciab íale $=$


## - 1 pao foriu nakoer pech -

2. Hini -iluma tebalningyumen, hytfivah ledaht, pal valey, Can गें uÁntunif, uchom leale, Lawal pil hi 'i'n Aice, y yk'tah vau la in hiuleneyumep tic wionex heil quet $1, x$, Ak

 * nit vak=

$$
=\text { V }^{x 0} \text {. wia nab in yabun han }-
$$

 Finit nalínponid oon mal, paxe ria andtsyelts? "insacì FAt', ap'jouno 6in ha hal tamíxc, tich
 Ny/te thanil Silloc, heia cal yanit ai bepare yume ón indibuimire =


 tememilicut \% míarh- D whe biat udas Siel whitciale $\mu m=24 \ldots i$ nwe to $\quad$ ba $=$ vunifaci nal $=$ fo in fort

 When dílin= alm, 13 km na hiuit = tilel itaen ayum


 yeibautsen fingion cana fiente ucail at coval 15, jationb cajaik heke caja cunto oua onis





 silcab bob ocvic riyol y dilluy anad fizan sale: you bu ingan cenctilam talam = Coingstahu Si:n Sa faltue = in bin hun usbue ticad: he bo lon





 ix hop urvineñ.
 (ixmb, he cas piy he cul so dateb tilis uxacic


 asan cisintiob. Aurien whu, exia han howce (van oun canc tibincuctral te unaior civish tai.


 Guob't, y fothal as yel yon Sun aseu carendel fioch










 toiv oalal unatiyur the, he Aino cued hanomyal mox hitin ov ctui hil xikm, tufin pantsinctin, $y$, Ganoul yadancte yalan haban, enron chac minnon silih, cam pat hona ubel fiatun, mi Con malichition Nilitianoman monekul yal wone hon tís; lat hon yalan de yoka, forban= rechac hon numy y yat cmenen at manuche
 Cloni viis teyax bedpop, an rixum ben, a nit ineno..
 ciacn, paap moth char qenet whau, tian binn dikith
 hom "tiakniek, waechomuxik' mue Gyt bu Fist is le lemcuan aztat nom diactenel ah yau .. ptot hom


 nob, lai vual Ańbo bablel, y ybalhit, helein utish habitsarotre, at hinsbe, it maix titx enstat viny

 chent ba biapum, ,ooi pa hem buch a Fianil, ix tiwn.
 oydihun the cenh chation, tihaxrimenclikital poten.


 fanvith, hoiben wuich valu va isawliy, heti'n maya

 fik wo unal in emal, Gayix hol hen vit va, wuaton hayisnal yhy, pax nombae tenel abau lía unowt 15 tuen of Renion a baes $=$
(1)
























## Yifii) ah tu bur atrou, calistich





 honicn, Caiz 乡iubtiryla bun bikie, capiviupdl, fack






yumcl, wh num yaib, ix maiciamob, cuxame ion Manan upueli bal, la mum diadill myam na hyom takk mob, hum vas nait, N̈̈ whi'u cel call bel, tho more

 nilulcivaye, hum cimi uti nil Doe cillkan sitaten, Cartal hi can sel hiucan hulbacal, la, bayens cal, a suci haticabile, ca val hi cthac imix che, tai youmavom laiuchicut "hayulcab, hai u coirinat che bitcal, wa ii flan xít ymy. canal bi fae ymix che sixum an, नi: valit vubhic, vchi cut hai ca bil, caix nat hicblimind thechifion penon, wchicul hai catil, laientimixate punde Cfram pí Doy. culic hianal imixiche, tuno norpexn vehiontuhayal cad culie fian oyalmut ca culhiyen ymix che nich umue cal, what lat hai ca dil, unvol viatular myanal farh.n tae =

 Evapur sibill belon ina kun yokeh yet ome adon soaje
 Garit char vayab so hious ura biltornick, ticafurtio
 boch fiom ix haun nab ix hus mal ix fiat meb, fosen. turnixotalnit ix mi nich cacau ix ma fivets ix mon
 helt ciob mictilac ah con may tid, lai und nit NT. k t

 nil meix biucticuctal mavific mitmedi belon ranebka emi,uatiot niek, fis limnc, yay Gacoununix No.ay imnd








 Cafg tau rind rop Crifì hyy at hau lie he han uyiem bu han एnad pieve yoded wyium mede..t, maix yeheleme







 maix fiopurn vwich ficker, w la be bix udxu file md IIt tix cinn riat AFmel, an minkt, whaut rielca
 henc riviluokni v Ne Ann luda Gil "iya diaut yad



 A करi Z Mni cil nie \& inherichil chwis hamoil rale = Ovvar whre whín uonis bitcie ix cancol cac









 (
 25 .........ime, tionífitan, vme hendîic ibluat
 canc Awn unvm yat at is malk, caule gasx bo Ne"
 Ovnuan dr yeter pisern, dan wemantiky unvum yaif ekil? nial toblabi tumen whé ban ynthare canuik, At h $\hat{k}$ mefín hapai cinnke, Ca san bitumen tik tite forne. Copootin at! uyedt "yuble he la nal yolume heon nyouts,



 fafi momen uyum tei huen EC cayiedil nimie lo de

 bacnga, wh coog ahris, z cach híksu detimel $x^{3}$ 'hi
 vefion vius tahen heyge la hien be at crexure iv haws vale viulul Eitsan yo thel ue ralirch oinicie youtave wh 参a, marekl binjec lal nic te wimi cil, Aar la k ahau N'pakichimot kial y halel tैं", tivi timworte benly fiaten thum Sean vink $=$
 कfae puich yfa baulit ne exnil Jor hal cienod wol, lonnad v zut pecnam pay per now wor ah be low yoe det hil: yan yojx culy rukin yan tulisn hax detlin yamab adi Partpukin, vil nomic viil roon bemich it terty melychil bubue ahace tiabin thlaom riaen of hices yout hichen wotom a cal yaxal chuen ve, $o$ msix fayuenn ti bat ahtikali baniban ah hiyyili mamac m8at ats at hiai rompal, ah has nom, nuyit af hiv nem ix चuc ah them non eclem ai bai nm ix liflayen neruke yuolen ix asu cumex riyukt uher auey ukel anit vra ri) druet via "f duex xoteb jul ah meve tiA can ution hes firmaf viex at hine cuxul tive hahal the fitim
 whumbiy mana batom upel ceeh ust meil ho yon A-


Bofon thace rucialmal vhes Siaten A'blonadou fretrou oflit he li, bigatil ha lioh uinicitinmalai Chense va Cunchabesbate lix Nixh kinil beixnínab Comate tivilae ya houldi thpop heo am humpaiyl if jemeltel hath lilon ahwer la Sipubsan-Dipuest ipu
 - Repal ativuc chapar Ain vdiamai tiatien centíye

 B'sken tinethom hak'gili saden u witl tionenyukal
 Whith ahblorrpar Rin, v जITies Kisten la binw bueba h'hol centanil veoyyahaulit Nyan ban Lan tiwlelile yan usan yan uynal tueei hayonu pop hyge Nín 6ion al predi laibsan tiaten tie =
Un* thia biatun mayayam ohes Hilun ri tued
 amrykfiawit vwich trcarmt in yurian bil bo pick य गe Net atopil ix bilo. yilmirk, गil at yel nitk niekil
 دem, li ah fìn samber ali bo bá mamar binntèt 24 in, he fintal can yahiaulil vivuch y uper iendeli hiconarefweticos peen ecch ral pird yans tula Lali, las he Cid he Ginnt tan bpulanyoe



 hemetel col hita cal belon, sacoi hef heparb yudila












 Mamar bin uy it cien ya hak li kb citb, cif cuel hat husioum



























- widh bin pec nae pereni, par nom bal axtí pee noen diu
 taini, ah ma han RSt atrma hon vam ah ma hampor Hi ya hau li2, cuch lium mam la bin vore bol ah isj bic abou fit, ume hen ahtion yal ix tisile, ofimn yax lach ottom bulcum coo pation lalcahí bi's uro co ula cabij at lapo tat, at actal cabin remar nume uyayges an thathen huention kpal ah tem pop, th ten sam nirpulthen chac venco sarvence60 6 ao biwil murh co ehome ex yad ah
 isi nobi youflat cab ute and tht uha dill si sill al pivill micheni mucui al mu cuime bomi of Pry yol bahauly




 cilidinekench yutila hon tical cueh pach tom athat - Kivecti bion upat um, ban pof vom a fian sam caxíe witho.. ind 1wt por cíc, cíegil hom vinicil ughanced Ifi nuunan cab colit ma mann diainale manan tont A. 6 'mi' manan at coc akectith, manan hom ahigen, - Ky ali' manan hem al les ahou lilh' maeu chans ak mabion Absi; lai" luch lah ed asau 1itum yonweek pal yan yabuulit yanakme ufic, hevarmannkom viah pacabaluser vamaya rim lal, be vec uygen hat umax fivn umax hithon at puct hen vaitestab ryit vactetilind labi Caugae hi ratn gam lit Ammply
 hunfiot a baui finnluar abi' mananhom tehama ci7 manan ce Ki,' mine unda lini manankom atdi

 fikion do bie a heo fiatoen tififun abou hum





## e

 Kayien puich timan ya blam lit, is Aan bakectinninftiz. curkelfo, vizh uluek, yotilal vik ban bal cahe' peoñ, - vparh uyaxocheel cabi lix u colabal yetil ral lm nopptiba. halsan v cas pop. Hiv pahar sivalar uxihm bel eahe tuewih tahun ahou verle o Nom oflad vani nyahoul it twiluch bab vate $=$pan tinohol you th hum thable v hes Sia hen tivesper ahau demaíne N'auil vurich yathaw lit rixe erah niyad of lisk Sa timedi' citbolon vien with to Wi'l vah to Hi'l kaa, hot Gouru cien mamac utic, tílesah u rah tavah nyyaal pyil
9F Hom cha tion ofil hon vis bingar ha bae furnen mif col mantan uyanl obdtami mana ho mix yulil usiki, yuf.
 nid that mo tuite pali' tienomix nyainal nel itypereft «W a Wh Aumen ad arín cot ah chín pa our Numsiendh inab no ahmab yuen "Hben ya hau lithecticheriv $y$ yohnen iil whi wak med ah Daman cab yan ba cablca
 moon ka lal emom thi mal yo firl pare ot tol all
 syath lix ix hiliijbc bioh ugean fiatuma pectionn rome? perabal bin eebalah Hisoich taKemec, Fi'da fisiuk a. hon clean no. la thom lueum ti uchom hiev a hon cenctin cilinctaranadb, vha lach vinicilos nate biningsilac
 ahunpopele, hex oc 1 ince pahom lucume as din cew रod har lib aK metbatbl hevec 0 Pom yax anch offinntul
 rek foí uct ci pe labal maya fren Boy ugean then buit fin lwi a ugan hbin me nee he catch me kan ah tivin
 कod jwith tiynhautir chir Nirder wieh Coupsun n uthem oc lis hodai riusta oente u la as ter por adivenver-

 nowe che ibill nom benich cheremitan wih veverh Cimno Culon ti pop Culen ni anm .xo tron u lel whelocti ainiriled Cati bin recla 4 blb mat̀ cot notitan ceed temen a hmecil tnh the li, hemen fis vead lau exhligean man anisxud
 f kridchen cerhomi veta ell cupil vah chere mimnviih
 pop binyenere te Garnpis hen upar hí "pow fian $x$ peadinhen cheerlile nise ce maent tin fin keen hachic
 hílgan kisum culakle he hi wuich wue kil ah wat ahaer hiaken vale =
 ¿nevalauta ab bat Gel cidhon ma nen vwich cimes.
 ziलh moyolah gie bir ilel yahui $5 \%$ calie co cachm wh riyial 6 in ve cec wi heficilit humpai yot manavyic bale citucalfícil bihunak whifin mon lom uyl vjam may alimili cach, N"haliबi hilata fill muct
 Fin yen hion auex ditc anrhi: ix than ben cok vuad v/on tikk vion yavum tufiab Fiax x, ulim ah tha. yon nut ulim ahbimitepi ulm ang, min miukel patan: huchiches, mon cech fikhen "gi' man co Eirx so aut है. failinkpai hac ah air cument he tanil y ix lam yox ah co cai mute, ah ahoah, nais mac apon kemen wrut te. ofen Dien prikín héabal hilalal, of tu wieh can akiue Hatien ciale ich is maya cimi hal edvaltwewil ku. Ginweh poed kil tur wo ho caten IV cumol ne Cicet has bil bor

Con àhacukinil hechí dien J a, C'an ahav Lêkits nnin
 fal hoywnil nihensala chiseremal tech vaimil ho. Rem Lnaticici ila bivan the hilsean hyyuni vportrio m-

 fal witbal v cuch numya bolian huchivhetel thith hid
 Hahin cocix un'ate nilet oriemix vaídwh =
Butioe ahau wyax thim upoo col hihkow hun oit hia hum VIicvarviniab, ith candito vheotatun, lee chacume xtb ume hen Hín vae vint colc, te ot ba un hindits till
 Paemitie Linat himbed hienaviat whelel deill tevmat - chít Cabise wlicobliunte metcheol hiunar mol hunichdo yeriul abl uyumil Cxpixan ocho arewn tianpleit

 HMan Mim anj Gilbe lí utalel ubeto balis ivisan


 6. cad tovinili waitnelume, tiju who fill upa fíne tions
 por hi के cak incpanix thatheniktialo गfaclokike


 uss an lís noh tiamix artukix tadet u cah (adocumebe $=$ - It whan fizter lyo jit íaton coso wlich feen rion






 mikb wha canputiale, yari umvan vpe. Token timan fakandat Avonen begor whine mat kal li', wallelal cabin Yanacuhivil Va can गit vaer गit,
 hal hio ua ior hiom fil hat tre hiem pit hen ahostbition a
 Which tidure nadiken me fiat tichlxill, fum pel kab makiko




 A.y ansiynnist atybarb thyan winicibi- vac a hiee























Cani bin thomar yel bilrahi pecemomuletrab pere nom chumut luer mi ti yomel tut hisin fikith ricen. veganhatal tiu, vhich fal cah h yulel hur piethas teyemel canel tichilali' ouc pel bal uchi lat comul pucped had whikil hum pie 人ैaxi ti mli yemed phock chatrani bulifil chantríakeli, Dchanal Miatun tiyemeluticil ahbenknal puli ox mueth hom w Tach cainansuy ah Canan Aakinab riyemelina yul ahaui xotm ahau ix mek man cavitsi boyics viकh umaxil firtum potic yótar chin yumstsul ad cab uh if yemel u cuch patani sim lis xôiancili fiyenset fum tal Canali, thali chae if $2 . \%$ mayatin that xe lith har mitan with, "euch heen a iwue
 the ho can be su bo can heleb tix iemuent nítei cue xulmue veuth, Fin her $2 \cdot$ Jec ii il veac cozstiah गu kul wutob hi Aín hekaxeniteale $=$

## Sak cabit ah́au $v$ uus sit thahen curo

 colviec bal hen thes then han yaxal chuen reuich taviil ofoon yarn he Canil ki'n yan he ramil ahine Cudipach hom kolil ork thyemel chae tron ah urit, ko yit weich umaxil A'aher cisilnac, papal rac, vpuetithal yah bel nalit cabi' humen wa wal Hatur सhe hen Myal, Hahen ahout lil hatunsan tramen bi mol h'aher ukul Kiahen ximbal kiahen fid ralil titali utia hun noxit whatun ix suc, vHaturfalal phatem holcan uKa bentan Celem, Hblididis belm Iit Jivis ba labil, hum Kin Kun vay usam vpop Herlí tan roch uhsitan coch 16bi vac pel hablabi vacpil 4 hab in i, la melah tah couacab katun fiutha hal chat inl io yuh lel malitil cieli tiutia mt vue da cab yib nel calt
 thinientivel, tram as ithex hos lub bues auat istel



BA . Ifv ahau ayifiel thain forkeliven puntial







 atmmil, humar ah vail tilils'"ho Ablichtumilide ish fromi/ sumichi; xo tron ahaui sesi yictior ahdiugum
 * wir moman mencti mer mamantanfalcoh mok uad


 Thie thato hal matnit sthanah manan ten sum yaci


Seńumabue sua ver Jit kituen rusoned ve art. ies hiatern thehun dalle yutelte bu cakiabl consar
 v yakib elomstirkich to ABm taltan, elon jis
 jer huftur hou peh mar havrale?



 st ina menit vates.
 fisane b haya hawhs benu harl coiklan fue phil =A A. A. A A A'ahenil Dare =
(in akoue oblelue Dit Alishen


$\cos x+c^{2}$

Hiom ah than lendi，Phon pectrif hi a．．．ve，ukn
 Calit abcu piah moir Hatan cespecel may
 vyael he A＇a hinil Ci Göad au dale：

Oyb bun ahau abeer， ，yopla huen dit kír hux
 गub neepahm，hith noe pa hom w世木灬 L ． Cmom ？ Hilfelche $y$ huníh，elimeran elom lum yuki，we，
 menob，wh la hmen hom caval，naer hiom libillret
 Ghenen＂Kan wy umil cany hom lar yan be exich $x$ la hun ahes he fin wsec tíwhen $v a l c=$











 Likinnve，$l$＇eit wnatobar ula may＇sen，＂yail baab，liit


 cume onah ，ila ba 6bic Ohelbi lal，yer will cratis cel yo






 meribd wha can patiale, yavicuman ven. Token timan
 yaracuhinsil va can sit vaex sit,
"aparthas Uar thas-Can asker. Cebilakaer. Ca

 Miul cidiut maditen me kitt tenixith, fum jed kad manko



 cuptpat bhitirntya, cay axi cabiaitrciot art da fín putan







 Hy, tto Ail be Carcm- iauda ta bib be dbu Nikn putin-ca













 maver ahae - Doch äpmot hen iA tathon tumen omultyal ich cah moyopan- orac when tide.
 catan bu cubte can fill had catac bo la fíumpint buthere. haw -blon ahous - Uut ahaut ho ahou- ox ahaus - bumabian lak ca abous- IA hum ahous-vapac chau- oor ahau-com
 hau- 1 op cicuń mygupan hument cigitl oul- tikwn hal hat catar can fal hali vo thiele cen chau-n.. Limaya cimbil ocmal tivchil yeipan,- ca BI abueu-ach $^{\text {and }}$ cingh tantil on ta hun ataue whi cu cimil ah poulka

 Thorr haw th hot hun rip caval op plis tolon imix ind pith cím Ci ah pul han, teithen hat= 1536-cuchi-. Jurion
 to therike, Botonataw ho cixpsinnil Dchcimpute bei fíchilutiamenil vtci Jaresilpe, toxel han kaf a ximbal cantic-1512 - vat a natel Coma cripo rantle yehiluhatu nil, hoo ohale caynm cahipanve mani. ...
 106 yok ha 1S52 - cuchi- 1S52 - hab cault O Dex - Che thispinel- 1560 u ba bil ca uli loan tox quixion a - yex ha han mi vaintiome - $\$ 562$ - hat caul dit thui med. i563 bab, 10 primatir cal- 1569 -had cau diftaki\% 1610-b8a 6il eal
 Jues = Hes a haue bín tue khe. cavac whumkery jabos cab hr cake whinit hat veashi can a hau oxit cavace aus ji. cana hou. Kn kum- 17
TV2- oxil cauac-1753-Canil Rixn-t752-ho muluch
 W2 - Cetil cuane it65-oxil ban 2766 - Co mil muher. Ho Jowel hix - 1168 - va cil cuaci2769 vuril kan-
 Airus Cibu compel kab ix ma Nitba $v$ bi jil tidn

 1715- 0x la huer 40.

It $x$ bit a hau curvited hun rawor
Yahal cal $x$ ragel untisil hicn pop biugen yan ithito

 Seten thitin gan emon tium exmon ta las emom $y^{\infty}$ maya cim ha ox mul thenge tiy ficue cien ficue aboan Ah
 bun yopot it oxiluah pinad cuppil wech swed hen loek
 isthiricoctix dias bus num yai yanit woan upop yan w









 119-Canil hiix- 1780 -hoil caucu-i781- dacithan



i13k-0 wit hiix- 1792 -Canil duac 1793 - ho il ATw. 1.121-vacitmulu-t795, vucillix vose soe vewehek a Cilil a ham, cer cutal ubitoil tha hen Camper hal ixmathbe



 bue, moydpan i, bintsantaiutan, yadu chi, yeviturs




1759-Camen Aic:
178 §-ča cit counce
1/60-0xil hix-
176L-Canil Gimac.
1746-0xil Ran
1762- Ho it kay -
1163- Var mulich.
1762-Uucil hix-
1987-Canii mulue
1788-hoil hix
1265-Uaved il Canas
1789-Va cil cavar
${ }_{1766 \text { - Bolon Nan }} 176$ -
12767-Su hicen mulus
1768- Bu/luithío
1769- Sab ca bill curak.
1790- On cil kian
i791-Uaxacirmulue

1710-Ox/a bium Kan.
1192.Bofon his

1793-1 ahun cauas
(1992-Bułucit Hon
1795. Lah cabil muluc
\#772 Hien muluk Hing
Q72-cabil hix
1713- 0xit caure
1774. Canil Kian

1175 ho muluc
$1716-$ va cif hix
1777. Ou cit curar
2718- Vaxa. Ci/Kan
1779. Ah́u=n bix

1780 - Bulucit muvar
17y2-Sah cabilhan

1796-0x lahun hix.

- iyour- Dacicilkac
$14003-V_{0}$ cil mulior
18009- vaacacilhix
1800 s- Be tor caueac
$1800^{6-L a t u e n t i a n ~}$
18007 -Bulo dirmatus
$18008-1$ an caoil hix
18009-0> Cahun Couras.


6Ku. Devar tre Cimen hoper uxe tic henil rías ta lat ho Silímuic 6i: vaanit Candte hun sit Arahen uyafil peltu Campelit lei hac lue $=$ ?

lumil Fiant-
Cochic ehan.
On cimi-
Can manik-
分- An mat
floe maleer -
Guc觬 CC
Unomhen -
Bolone6 -
fahumben -
Buries bix :-
fixh cal mer
omla hum Cíb
bin caban
t, wil bowac-
Lan a har-
ho yonix-
, Cilik-
>का a'
- Iun tial hirywn iकhit vach youil binal lai ukabare




- Jic flecan mend, lahun men vetabiak ludue suen flecan mon , fuen dinal tichi Aín =.
Healcanil anauc la hern a face vetiation, bialuen haet 'hepis "troh ah cuch if nal hono hols. the lai whtoceblive licula now hichum winate bekine towane tirn tilin a capante thic abyn be aypedteren gey
 fic unan cienil at toct renit oumlob vaiciil por Mat

mabelt Chy ofn! Gain finbet ubial Nah alto, dayobelter unar cuugder vali be Rol una lob volie fal ucicíyantatova Iil Gin auila kian ta he which ti'ne vekugn bid ho hal chatiant Lattir Cabín oesth na reche bën ban bon has a bar kwnemi

 tah bin cicipa kor bibal bin asab ychit bole fibin awi haichils, vosil lan lam al hoin xer yorticin mure bai fin auilie rectokle $l e=-\vec{v}$ bial upet hal ypim $\overline{\text { a }}$ - moxan:

Pomingi- for- poe lutian Suner - Luna man coch Marker- Mande liik.
priex coler thencunio tan coch
biernes - Venus - Doeluhiar
Jabazo - Jahex no wiih
Qomingo Sot poclution
Luper luma tancoch

- priexceles prexcurio fencoch

Iweber- Iupitex socblían
Siex mel - benes - joclectian

$$
\text { hun thel cotar } 2 \text { taxae }
$$ pel bat, yen ichil feiburn Cunat lie, beix rat bin us loe user the cecbalc, fiewn Cocs uerer be caten what. sup hab lah. Gatiwh xole Cux asemprat St nalsi cater Sine En , 4t canalo lai fi (monez init 6i hum hat kí busyanio mingo 6 fatiopir woteznt Jabaio Jakixn Liunes lesma. tancoch praskr prante wiilh tancech shab Coho piskliblik: poilieken cieibnasbliebal conal Jaeber Jupites

jabuse labuno Paming so sol
soc lickian qa abe lubikunenith
 mancork hacliradal nalhemeendat
with licuhepul pwich hionhe bil 'lumes -' luma ooclunian ficuhepul pwich hiznhe 6 plan*1 plonk Jreber Jupikx Diexner Denul

 joeleation) lac i, ioo linh is rime rioni with lahelah in Cisfillncavaryet sorlakan hele $\cdots 19$ se $96 x i l \geq e l 6$ tancock 29a,201 v li:ngo malsma ooc lutínar Chwe ni ren upitiol tath sochutron kay tuhasistehnhect
 a

 hat binip chup in han yne hogbi binitsibi 2 e dayahale $6^{\circ}$ bot al an sin you hed, bin patac yximi
 war yap Min' Ginix yomorn Stipa badi dir yave

 - Solie tic sdubut ero simbindee - 6i younae kin bun yabile binix or hac jxim zoms max max bin hacoi cesic revif' binpat be 6 ixomb, bin yanac sher nifh lae



 (a)

 fix jez bin yonw fin Anya6itaon 6in co ber jximi

 WY ${ }^{2}$ the mation a pat hatixin sesisis lin yonadi





 reneni co be fincimotiti m men $\kappa$ vee 4 ful utoche of tan $t$ coch sin por heo y,ximir
eminge- Me a babue enexn h o mingre fis
 dit hr canaltanbe bin Abin tave la \%udiagan bel winte bin ofs of Aimin hesu mando Khe it lof lin panor ton poun be fin wat sirpar




 Sinix bibuc whach no hithoke hat in hack eftic Giviétis

 hat yjrime tan coctili'=


2 Buliwe chuen vy

## 3 lan cares vy

2 oxthtuenten vy Hen bip
ty licil cimíluín edt
6 Camen tor
7 Ox cíb
8 Odencrían
-9 bo banod
to tracil curne
It Duc ahaer
12 vaver ymiz
is Boín itt
it lohw atbol
is bulu cilbien
16 Iak a कhic dian
17 ovfráen cim?
is galannat
$20.0 x m$ atuc
21 Camil $O C$
22 Ho dhises
23 Dae eb
21 Vurbeen
25 uaxa cilhix
26 Golormen
27 hahern cíb
28 Bulu cil cobao
29 tah cace mat
\&in
3.0r* Dx la huen cucue

36 then ebaer -












