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and his well traveled drum are already com－ fortably resettled back at the old pueblo．

## Wesleyan University

Vocabulario Mixteco de San Miguel el Grande．By Anne Dyk and Betty Stoudt．Serie de Vocabularios Indígenas Mariano Silva y Aceves，No．12．México， D．F．，1965．Pp． 132.

## Terrence Kaufman

This is a Mixtec－Spanish，Spanish－Mixtec vocabulary，of which the first part has 55 pages（and about 2700 main entries）and the second part 57 pages．There is a set of 6 ap－ pendices totaling 17 pages wherein a sketch is provided of segmental phonemes，tones and tonal morphophonemics，person mark－ ers，prepositional phrases，verbal inflections and some derivation，and numerals．Also in the appendices are Mixtec names for local currency，and geographical subdivisions of San Miguel．In the vocabulary proper there are 79 part－page illustrations and 6 full－page illustrations，as well as a full－page map of Oaxaca and another of Mexico．

The phonological notes and the items in the vocabulary，plus reference to Anne Dyk， Mixteco Texts，${ }^{1}$ suggest the following phono－ logical re－statements：

## A．Core phonology．

Segmentals：／t č k kw ${ }^{w} \mathrm{~m} n \tilde{n}, \mathrm{lr}, \mathrm{s}$ šh， y w，？，i i uo a e／；tones：／high mid low／． The only consonant clusters are syllable－ initial and include（1）$/ \mathrm{s} /+/ \mathrm{t}$ č k $\mathrm{k}^{\mathrm{w}} /$ ，（2） $/ \mathrm{s} /+/ \mathrm{n} \tilde{\mathrm{n}} \mathrm{l} \mathrm{r} /$ in which $/ \mathrm{r} /$ is a prenasalized stop［ nd ］，（3）$/ \mathrm{n} /+/ \mathrm{t}$ č $\mathrm{k} /$ in which $/ \mathrm{t} /$ and ／k／are voiced，and probably／č／as well （voicing of stops after nasals is a widespread phonetic feature in central and southern Mexico and in Central America，although the area in which this occurs is not always continuous：cf．Totonac，Mixe，Zoque， Xinca，Lenca）．／nk／does not occur word－ initial；／nt／and／nk／in enclitics are de－ nasalized but voiced．／／does not occur

[^0]word－initial or word－final；only／ $\mathrm{P} /$ or $/ \mathrm{n} /$ may close a syllable．When $/ \uparrow /$ occurs inter－ vocalically the two vowels are always the same，but they may have different tones． Vowel + syllable－final $/ \mathrm{n}$／is realized as a nasal vowel；＊／en／＝［e］is stated not to occur；／e／does not occur word－initial in native words．VV sequences occur；geminate vowels are long．$/ \mathrm{k}^{\mathrm{w}} /$ is not specifically named as an element，but in the vocabulary〈cu〉 before a vowel has the distribution of a simple consonant，and the 〈u＞never has a tone mark．

Since neither／l／nor／n／ever occurs di－ rectly before a nasal，we may ask whether we might not interpret［ n ］as／l／before nasal vowel，with $/ \mathrm{l} /$ as $[\mathrm{n}]$ absorbing all the nasality．This could further lead to the visually bizarre but structurally sound result of interpreting［ ${ }^{\mathrm{n}} \mathrm{g}$ ］as $/ \mathrm{lk} /$ ，etc．，i．e．，／l／be－ fore C or Vn is［ n ］．The other，possibly prefer－ able alternative would be to define $/ \mathrm{n} /$ as a pre－nasalizer and voicer of following con－ sonants and a nasalizer of preceding vowels． It is conceivable that［y］and［ñ］have a parallel distribution to that of［l］and［n］；［y］ never occurs directly before a nasal vowel， nor does［ñ］，which could be $/ \mathrm{y} /$ before $/ \mathrm{Vn} /$ ． ［ v ］and［ m ］possibly are to be lumped under parallel conditions，since neither ever occurs before a nasal vowel；and，neither［mu］nor ［vu］occurs．The problem with this hypothe－ sis is that in the available transcriptions of forms，nasalized vowels occur only in the final syllable of a word．For［m］to be／w／ before $/ \mathrm{Vn} /$ ，and $[\mathrm{n}]$ to be $/ 1 /$ ，and［ñ］to be $/ \mathrm{y} /$ under the same conditions，there would have to be some non－final nasal vowels，since ＜mV＞，＜nV＞，and＜ñV＞all occur before me－ dial syllables beginning with oral consonants； and since $\langle\mathrm{vV}\rangle$ ，〈lV〉，and $\langle\mathrm{yV}\rangle$ all occur before medial syllables with $\langle\mathrm{n}+\mathrm{C}\rangle$ or $\langle n / \tilde{n}+V\rangle$ ，there might have to be some internal junctures；if these could be moti－ vated grammatically，all the better．

I suggest that such orthographic syllables as naa，nii，nï，nuu，nahan，nihin，nihin，
nohon，nuhum are to be interpreted laan， liin，liin，luun，la？an，li？in，li？in，lo？on， lu？un；that $\tilde{n} a a, \tilde{n} i i, \tilde{n} u u, \tilde{n} a h a n, \tilde{n} i h i n$ ， ñuhun are to be interpreted yaan，yiin， yuun，ya？an，yipin，yu＇un；and that maa， mahan，mihin be interpreted waan，wa＇an， wipin．There are syllables liii，loo，luu；yaa， yee，yii，yoo，yuu，yaha，yihi，yoho，yuhu； vaa，vee，vii，voo，vaha，vehe which complement the above．This proposal eliminates $/ \mathrm{m} /$ and ／n／from the system of phonemes，leaving the following consonant system：

| t | č | k | $\mathrm{k}^{\mathrm{w}}$ | $?$ |
| :--- | :--- | :--- | :--- | :--- |
| s | s | h |  | n |
| l | y |  | w |  |
| r |  |  |  |  |

## B．Peripheral phonology

$/ \mathrm{p} /$ occurs word－initial in two regular ＜pahlā＞ancho y plano，＜pehlo＞terrón and two sound－symbolic native morphemes〈pāán＞kersplash！，〈pípí＞guajolotito only； otherwise in loans．／np／［nb］occurs word－ initial in one loan，〈mbáā＞compadre．／f b d $\mathrm{g} \tilde{\mathrm{r}} /$ occur in loans．
C．It is of course true that the prenasalized stops could be interpreted as unit phonemes， although it seems quite unnecessary．In this case［šnd］would be interpreted／sñ $\mathrm{s} /$ ．
D．Spelling（based on the first formulation of elements）：
$/ \mathrm{c} / \rightarrow\langle\mathrm{ch}\rangle, / \mathrm{k} / \rightarrow\langle\mathrm{c} / \mathrm{qu}\rangle, / \mathrm{k}^{\mathrm{w}} / \rightarrow\langle c u\rangle$, $/ \mathrm{s} / \rightarrow\langle\mathrm{x}\rangle, / \mathrm{h} / \rightarrow\langle\mathrm{j}\rangle, / \mathrm{w} / \rightarrow\langle\mathrm{v}\rangle, / \mathrm{\imath} / \rightarrow\langle\mathrm{h}\rangle$, $/ \mathrm{np} / \rightarrow\langle\mathrm{mb}\rangle, / \mathrm{nt} / \rightarrow\langle\mathrm{nd} / \mathrm{d}\rangle, / \mathrm{nk} / \rightarrow$ $\langle\mathrm{ng} / \mathrm{g}\rangle$（／nk／happens not to occur before $/ \mathrm{i} /$ or $/ \mathrm{e} /$ ），／šr／$\rightarrow\langle\mathrm{xnd}\rangle, / \mathrm{high} / \rightarrow\langle\mathrm{V}\rangle$, $/ \mathrm{mid} /$ is unmarked，／low／$\rightarrow\langle\bar{\nabla}\rangle$ ．Other symbols remain unchanged．

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Chol Texts on the Supernatural．By Arabelle Whittaker and Viola Warkentin． Summer Institute of Linguistics Publica－ tions in Linguistics and Related Fields，No． 13．Norman，1965．Pp． 171.

## Terrence Kaufman

This publication，in providing original folklore and ethnographic material，also
provides documentation of the Chol lan－ guage in text．Both kinds of materials may be compared with similar materials for other Mayan groups with profitable results． The creation stories，especially，show im－ portant parallels，down to small details at times，with creation stories current among the Tzeltals and Tzotzils，and more distant parallels to episodes in the Popol Vuh． Judging from his own experience in collect－ ing Tzeltal and Tzotzil traditional stories， this writer believes that there must be a much greater mass of Chol material which remains either unreported or uncollected．

The book includes twelve creation stories occupying forty－nine pages，nine descrip－ tions of religious ceremonies occupying twenty－four pages，nineteen stories and de－ scriptions relating to the spirit world and witchcraft occupying sixty－eight pages，and a vocabulary of sixteen pages having about twelve hundred entries．The format is in conformity with earlier issues in the SIL text series：two－thirds of each page is occu－ pied by native language text，and one－third of each page is taken up by the English translation（in smaller type）．Each word in the native text is numbered，and each word in the English translation has the same number as the native word of which it is a translation．

We are informed that there are two dia－ lectal varieties of Chol，and that the present materials represent the Tumbalá variety． Judging by lists of field workers and their locations which the SIL has published，the other variety must be called Tila Chol． According to the preface，the basic analytic work on the language was done by Evelyn Woodward Aulie．

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Handling Unsophisticated Linguistic Informants．By Alan Healey．Linguistic Circle of Canberra Publications．Series A－ Occasional Papers，No．2．Canberra：The Australian National University，1964．Pp． 30 ，offset duplicated．


[^0]:    ${ }^{1}$ SIL Linguistic Series，No．3， 1959.

