A COMPARATIVE STUDY OF THE LEXICAL AVAILABILITY OF MONOLINGUAL AND BILINGUAL SCHOOLCHILDREN¹

NAUM R. DIMITRIJEVIĆ

University of Belgrade

In modern linguistic research much more attention and importance are being given to the study of syntax and general problems, like language acquisition, than to lexis. This may be natural, but for a complete picture of a language, or rather as complete as is possible today, lexical descriptions must not be left out; a comparative survey of a language should contain information about word frequency, lexical availability and valence, collocations, coverage and range, among its lexical aspects. Lexis is a part of language although its study may not be of prime importance for the understanding of language mechanisms, nor be of a great interest to linguistics; it does and should have its place in all comprehensive descriptions of a language as well as in linguistic theory. Without a theoretical basis the lexical aspects mentioned above could not be adequately studied in concrete corpuses. The point we should like to make here is that every lingual aspect should be given adequate attention.

Because lexical studies have their immediate application in several disciplines (psychology, neurolinguistics, language teaching, etc.), there are quite a few word counts, word lists, special dictionaries, which are sometimes based on a very small corpus or small samples of population. What is lacking

¹ A part of this paper was read at the International conf erence on contrastive linguistics, held at Boszkowo in December 1978.

² It is surprising that even in contrastive analysis projects with a pedagogical slant, lexis is neglected in spite of the fact that many of the problems in foreign language learning are lexical ones.

³ It is interesting to note, however, that until quite recently, it was syntax that was neglected in neurolinguistic studies. The stress in this discipline was on phonology/phonetics, lexis, reading and speaking. This situation is rapidly changing and syntax is now coming into focus in this discipline too.

⁴ Cf. Tobin (1971), Wepman and Hass (1969); cf. also Fries and Traver (1960).

now is more theoretical work and experimental projects, not mere compilation of lexical material, though the latter has its value too.

The notion of lexical availability. The largest number of word lists are those which deal with word frequency. This is the result of the belief in the past that frequency reflects the usefulness of a word or its "importance". It has been shown, however, that frequency need not correlate with usefulness and that a lot of so called useful words (useful for a population or a sample of that population) are not always on a high place on the frequency list. They do not appear there even if the corpus on the basis of which the list was made is enlarged, or even if several frequency lists are put together. This kind of discrepancy between frequency and usefulness occurs mainly with common nouns. Therefore, other concepts of lexical aspects have had to be developed and taken into consideration in lexical analyses. One of them is lexical availability.

A word is available if, in a particular situation and context, regardless of its frequency and other lexical characteristics, it comes to mind easily and without searching. Thus a word may be available, may indeed have a high degree of availability, not because it is frequently used in speech or in writing, but because the object it denotes is frequently in use or because that object is important for the speaker (or for the whole sample of population). A word may be highly available if it is frequently in one's mind - like the names of some exotic animals for children from urban areas (see the lexical area "Animals", Table no. 1). Several factors may affect the degree of availability of words, such as sex, age, professional interests, social and cultural background, etc. Words often do not have the same availability for a native speaker and for a foreigner. The degree of availability is the correlation between the number of occurrences of a word in the test of lexical availability and the number of the testees. This is the degree of availability of a word for a sample of population. For example, if there are 30 students and the word "tiger" is given by all of them, it would mean that the word "tiger" had 100% availability for the tested sample of population.

The concept of lexical availability was partly taken from the French lexicographers, Michea and Gougenheim; however, the test by means of which we obtained pupils' responses differs considerably from the one administered by the French researchers.

The study of the word lists (their meanings among other things) out of context, has, naturally, its weaknesses and imposes certain problems. However, the validity of such an analysis depends on the technique of elicitation

⁵ Between 1909 and 1969 about eighty frequency lists were published (for English only); cf. Richards (1969).

of the words analysed. With the test which we used, it is believed that the major problems and constraints were avoided or solved. With fairly specified instructions (see further "The test of lexical availability") it was possible to be quite certain as to the meanings of the elicited words even without the context. One thing should be borne in mind, however. It is the "basic meaning" that we are dealing with here. Social, cultural and other possible "semantic charges" have necessarily been ignored.

The test of lexical availability. The methodology of elicitation of students' lingual responses (whether in linguistic or any other research) has developed over the past few decades so much that today there are various tests and techniques by means of which reliable language corpuses can be obtained, Having in mind the aim of our research, the notion of lexical availability, as we defined it, the sample of the pupils tested and other relevant factors (for instance the time available for testing schoolchildren), we decided to apply a fairly simple technique for the elicitation of pupils' responses. The pupils were asked "to put down, as quickly as possible, all the words they could think of in connection with animals, countryside, town, etc.", each lexical area being dealt with separately. They were also given some additional instructions, such as to ignore spelling problems, not to give the names of people (politicians in "Politics" and film stars and the like in "Entertainment"). The pupils were given five minutes for each lexical area. After careful pretesting both in Edinburgh and Novi Sad, it was concluded that five minutes for one lexical area was the optimum length of time. After that only a few pupils in each group were still writing; as a matter of fact, they were searching for some more words. The test had to be time limited in order to prevent the pupils from searching for words. Thus we hoped to get only those words which first and easily came to pupils' minds, only those which were really available to them at the moment of testing. If a word easily comes to one's mind, without being searched for, it is believed that it is more available for use at a particular moment and situation than others.

One possible weak point of our test is that it was written. One might suppose that if the test had been oral, we would have obtained more and different words than we did. It was impossible to have an oral test with almost 300 subjects, therefore we tested orally a smaller sample (about 10% of the total number of the subjects); they recorded their responses. The comparison of these responses with those given on the written test showed minimal differences, both in the number of words and their kind. What happened on the oral test was that the same words were repeated several times.

We did not restrict the selection of words to a particular part of speech, nouns, for instance, or only those the pupils considered as "the most useful

words", as was done in some other similar studies. However, as can be seen from the lists, nouns were given almost exclusively.

The test consisted of thirteen lexical areas as follows: "Animals", "Countryside", "Town", "Entertainment", "Jobs and professions", "Means of transportation", "Science", "Parts of the house", "Food and drinks", "Clothes", "Politics", "Parts of the body", "War and peace". The last two were not in the test administered in Edinburgh. The selection of the lexical areas was partly influenced by the Gougenheim's study (Gougenheim et al. 1956); however, some lexical areas, such as "Politics", were added because of the difference in the two populations (Edinburgh in Scotland and Novi Sad in Yugoslavia). Lack of space prevents us from giving explanations for the selections of lexical areas.

By not limiting the number of words which we asked the pupils to give we had an opportunity to see not only what words would be given but also how many they could give in five minutes. With the help of a computer (which we had in Edinburgh, but not in Belgrade) some other aspects of children's vocabulary could have been studied, such as collocations, the associative link between the lexical areas and the first words given in those areas, the correlation between some socio- and psychological factors and lexical availability.

The aims of our research. The aims of our research were as follows:

- a) To find out the degree of lexical availability of monolingual and bilingual schoolchildren from two age levels.
- b) To compare the results of the older Yugoslav sample with that which we had in Edinburgh (cf. Dimitrijević 1969).
 - c) To compare the results of lexical availability between boys and girls.
- d) To compare the results of lexical availability in the mother tongue and the second language.
- e) To find out the correlation of the number of words obtained on the test of lexical availability and several psychological and social factors (intelligence, social status in school, school marks, the number of children in the family, parents' occupation and education).
- f) To compile a list of lexical availability, so that it could be compared with frequency lists and other types of vocabularies or word lists.
- g) To analyse quantitatively and qualitatively the results obtained (the total number of words and the number of different words).

[•] Following Gougenheim's terminology (Gougenheim et al. 1956), in the Edinburgh study (Dimitrijević 1969) the term "center of interest" was used instead of lexical area, the term which we think is more adequate.

The population sample. The sample of population tested in our research consisted of 228 pupils from Novi Sad (Yugoslavia) and 185 pupils from Edinburgh (Scotland). The Yugoslav sample was subdivided according to pupils' age and mother tongue. There were 114 monolingual subjects (mother tongue Serbo-Croat) and 114 bilingual subjects (mother tongue Hungarian and second language Serbo-Croat). Both monolinguals and bilinguals from Novi Sad were taken from the V and the VIII class of the elementary school. We took the fifth class pupils because it is in that class that more formal teaching of the mother tongue starts, and the eighth class is the final one in the elementary school in Yugoslavia. The majority of the children in the fifth class were 11 years old and in the eighth class 14. All the subgroups were made up according to a number of variables which we thought could affect lexical availability and language development in general. Thus, pupils were selected according to their age, sex, intelligence (IQ) and school marks. This means that all the groups whose results on the test of lexical availability were compared were homogeneous as regards the given variables. We also had data about some factors which can affect children's language development and various forms of language behaviour, such as: the number of children in the family, their social status in school, their parents' profession and education. It was not possible, however, to achieve the same homogeneity of groups as regards the latter group of factors, but nonetheless correlation was found out between them and the number of words given by the pupils tested.

The statistical procedures used in this research?

a) The arithmetic mean:
$$M = \frac{\sum x}{n}$$

b) Standard deviation:

$$\sigma = \sqrt{\frac{d^2}{n}}$$
 and $\sigma = \sqrt{\frac{d^2}{n-1}}$

c) The t-test:

test:

$$t = \frac{M_1 - M_2}{\sqrt{M_1^2 + M_2^2}}$$
 and $t = \frac{M_1 - M_2}{\sqrt{\frac{1}{n_1} + \frac{1}{n_2}}}$

d) Chi square:

$$\mathbf{x}^2 = \sum \frac{(f_0 - ft)^2}{ft}$$

e) The contingency coefficient:

$$C = \sqrt{\frac{x^2}{n + x^2}}$$

All statistical processing was done by Dušan Djordjević.

f) The coefficient of correlation (Pearson's formula):

$$r = \frac{\sum (dxdy)}{dx^2dy^2}$$

Results. The total number of words obtained in the Novi Sad study was 80.215 and in Edinburgh 15.271. The quantitative analysis showed the following:

- 1. The older monolingual children from Novi Sad gave more words than the bilinguals and the difference is statistically significant.
- 2. The monolinguals from Edinburgh gave more words than the bilingual speakers from Novi Sad but this difference was not statistically significant.
- 3. The monolingual subjects from Novi Sad gave more words than those from Edinburgh and this difference was statistically significant.
- 4. The younger monolingual pupils gave more words than bilinguals but the obtained difference had no significance. It may be supposed that the difference in the number of words between the two age groups is brought about between the ages 10—11 and 14—15.
- 5. Girls gave more words than boys and the difference is big enough to be statistically significant.
- 6. Older pupils, both monolingual and bilingual, gave more words than the younger ones.
- 7. Boys gave more different words than girls, regardless of the mother tongue (English, Serbo-Croat or Hungarian).
- 8. The same result was obtained when monolingual pupils were compared with the bilingual ones.
- 9. As regards the number of words in different lexical areas there was a correspondence among the samples of the population tested in our research.
- 10. Some lexical areas were "closer" to boys and others to girls, i.e. in some areas boys gave more different words than girls and v.v.

As regards the relationship between the number of words obtained from the test of lexical availability and some social and psychological factors, the following results were obtained:

1. The relationship between the quantitative aspect of lexical availability and intelligence was such that it clearly indicated the importance of the role of intelligence in the study of lexical availability, as in some other language areas.⁸

⁸ In the lists of the final report (in Serbo-Croat) apart from the number of occurrences for each word, as it is here (see the lists of words), the results were also shown according to three classes of IQ of the tested pupils, cf. Dimitrijević and Djordjević (1978). The paper read at the Boszkowo conference contained the first ten words and the final report (in Serbo-Croat) had the first thirty words. Even the final report could not include all the words because of high printing costs. (Cf. Dimitrijević and Djordjević 1978).

- 2. School marks and the number of words given related positively in a few comparisons only and thus general conclusions cannot be drawn.
- 3. The number of words given was rarely in a positive correlation with the sociometric status of the pupils or with the order of birth in the family, the parents' profession and education did not influence the number of words given on the test of lexical availability.

Having a corpus of over 80.000 words it is not possible to summarize similarities and differences between words given by five different samples of population. In studies like ours it is essential to analyse the lists of words themselves. Unfortunately, we can give here only the first five words from each list. However, the following can be pointed out:

- 1. Monolingual and bilingual samples of population did not markedly differ in the words which had a higher degree of availability.
- 2. Bilingual pupils gave a number of dialect words in their second language (Serbo-Croat) which were not found in the lists of the monolingual speakers, whose mother tongue was Serbo-Croat.
- 3. Boys and girls did not differ to a great extent in their selection of words, except in some lexical areas, such as "Professions", "Food and drinks", "Clothes".
- 4. There were some differences between the subjects from two different cultural and social backgrounds, particularly in the lexical area "Politics", "Food and drinks" and "Professions". Obviously, different ways of living influence lexical availability, as they do some other lexical aspects.
- 5. In both age groups only minor differences were found in comparing the lists of words in the mother tongue and the second language.
- 6. There were fewer words with a high degree of lexical availability in the lists given by the younger pupils than in those obtained from the older groups.

New possible investigations. On the basis of our research carried out in Edinburgh (Dimitrijević 1969) and Novi Sad, the following suggestions may be made as regards further similar lexical investigations:

- 1. In Edinburgh we had a sample of monolingual English speaking subjects. The same test could now be applied in other English speaking countries in order to find out the effect of social and cultural background on lexical availability in the same language.
- 2. Our bilingual sample of population in Novi Sad spoke Hungarian and Serbo-Croat, i.e. two typologically very distant languages, though they are in contact. Now a bilingual sample of subjects could be tested whose languages are closely related, such as Serbo-Croat and Bulgarian or Polish and Russian.
- 3. We had two different age groups and the comparison of their results is only partly reliable because they were two sets of different subjects. A

developmental study of the same subjects would give further and more reliable results as regards the differences between the two ages.

- 4. A comparison of adult subjects and schoolchildren from urban and rural areas would offer further possibilities for analyses of lexical availability.
- 5. By means of a computer analysis it would be possible to find out the number of pupils starting a list in a lexical area with a particular word and thus it could be seen whether that particular word has, for the tested subjects at least, an additional associative meaning, 'dog' for animals, for instance or 'football' for entertainment.
- 6. A computer analysis could offer some other information, such as the correlation of the degree of lexical availability and the morphology of the words, their length, frequency and other lexical aspects, such as range and coverage.
- 7. With the intensified interest among linguists in neurolinguistic research it would be interesting to apply the test of lexical availability in some neurolinguistic studies and then compare the results obtained with those obtained from subjects with undisturbed language (cf. Howes 1964; Borkowsky, Benton, Spreen 1967; Filby, Edwards, Seacat 1963; Lozar, Wepman, Hass 1972; Lesser 1973 and 1978).

What we hoped to achieve here, in a very limited space, is to give a definition of lexical availability, to describe a particular test which was applied to three different samples of the population, to give a very small sample of the lists of words we obtained and to make some suggestions for further studies. The analyses of words with a higher degree of availability unfortunately had to be omitted for the lack of space.

"ANIMALS"

A) The older group

TABLE No. 1 — Monolinguals —

| | Engl | ish L_1 | $Serbo$ - $Croat$ L_1 | | | | | |
|-------------|------|-----------|-------------------------|-------------|----|----------|----|--|
| boye | , | girle | | boy | 18 | girls | | |
| 1. tiger | 30* | 1. dog | 27 | 1. horse | 25 | 1. lion | 23 | |
| 2. dog | 29 | 2. cat | 27 | 2. cat | 24 | 2. cat | 23 | |
| 3. lion | 29 | 3. lion | 25 | 3. elephant | 24 | 3. dog | 23 | |
| 4. cat | 27 | 4. monkey | 25 | 4. bear | 22 | 4. horse | 22 | |
| 5. elephant | 26 | 5. tiger | 24 | 5. cow | 21 | б. pig | 22 | |

[•] The figures in this column represent the number of pupils from the tested sample who gave the words.

- Bilinguals -

| $Hungarian L_1$ | | | | | | | | Serb | o-Oro | at La | |
|-----------------|----------|----|----|--------|----|----|----------|------|-------|-------|----|
| boys girls | | | | boys | L. | | girls | | | | |
| 1. | tiger | 26 | 1. | dog | 25 | 1. | lion | 23 | 1. | horse | 24 |
| 2. | lion | 25 | 2. | monkey | 25 | 2. | horse | 22 | 2. | cat | 23 |
| 3. | dog | 23 | 3. | cat | 25 | 3. | cat | 21 | 3. | cow | 20 |
| 4. | horse | 22 | 4. | horse | 24 | 4. | elephant | 21 | 4. | lion | 19 |
| 5. | elephant | 22 | 5. | lion | 24 | 5. | tiger | 20 | 5. | duck | 19 |

B) The younger group

TABLE No. 3

- Bilinguals -

| | Hungarian L_1 | | | Serbo- | Croat L ₂ |
|-------------|-----------------|----|-------------|--------|----------------------|
| boys | girl | 8 | boya | | girls |
| 1. horse | 26 1. cat | 29 | 1. horse | 25 | 1. cat 24 |
| 2. elephant | 24 2. horse | 28 | 2. cat | 21 | 2. horse 21 |
| 3. dog | 24 3. fox | 26 | 3. elephant | 18 | 3. lion 19 |
| 4. oat | 24 4. cow | 26 | 4. tiger | 18 | 4. rabbit 18 |
| 5. tiger | 24 5. dog | 25 | 5. hen | 17 | 5. hen 17 |

TABLE No. 4

— Monolinguals —

Serbo-Oroat. L1

| | boys | Usta a | girls | | |
|----|----------|--------|-----------|----|--|
| 1. | horse | 26 | 1. horse | 27 | |
| 2. | dog | 26 | 2. wolf | 26 | |
| 3. | wolf | 24 | 3. fox | 26 | |
| 4. | elephant | 24 | 4. rabbit | 25 | |
| 5. | fox . | 23 | 5. cow | 28 | |

"TOWN"

A) The older group

TABLE No. 5

| $English$ L_1 | | | | | | Serbo | $-Croat$ L_1 | |
|-----------------|--------|----|-----------|----|---------------|-------|----------------|----|
| | boys | | girls | | boys | | girls | |
| 1. | shop | 29 | 1. bus | 29 | 1. cinema | 22 | 1. cinema | 24 |
| 2. | bus | 25 | 2. shop | 28 | 2. factories | 20 | 2. theatre | 24 |
| 3. | house | 22 | 3. people | 27 | 3. theatre | 19 | 3. parks | 19 |
| 4. | people | 20 | 4. cars | 27 | 4. parks | 16 | 4. cars | 18 |
| 5. | school | 20 | 5. school | 25 | 5. boulevards | 15 | 5. factories | 17 |

—Bilinguals —

| | Hun | ngarian L_1 | | Serbo-Croat L ₂ | | | | | |
|--------------|-----|---------------|----|----------------------------|----|--------------|----|--|--|
| boya | | girla | | boys | | girls | | | |
| 1. oinema | 21 | 1. cinema | 19 | 1. cinema | 19 | 1. house | 17 | | |
| 2. house | 20 | 2. park | 19 | 2. parks | 19 | 2. parks | 17 | | |
| 3. park | 18 | 3. theatre | 18 | 3. schools | 19 | 3. streets | 16 | | |
| 4. theatre | 17 | 4. house | 18 | 4. house | 18 | 4. factories | 15 | | |
| 5. factories | 16 | 5. streets | 17 | 5. streets | 17 | 5. schools | 14 | | |
| | | | | | | | | | |

B) The younger group

TABLE No. 7

- Bilinguals -

| $Hungarian L_1$ | | | | $Serbo-Croat L_{2}$ | | | | | |
|-----------------|---------|-------------|----|---------------------|----|--------------|----|--|--|
| boya | - Kindy | girls | | boys | | girls | | | |
| 1. park | 16 | 1. cinema | 18 | 1. schools | 15 | 1. house | 13 | | |
| 2. cinema | 15 | 2. theatres | 18 | 2. house | 10 | 2. schools | 13 | | |
| 3. school | 13 | 3. park | 17 | 3. parks | 9 | 3. factories | 10 | | |
| 4. car | 11 | 4. shops | 16 | 4. cinema | 7 | 4. buildings | 7 | | |
| 5. store | 11 40 | 5. school | 15 | 5. streets | 7 | 5. parks | 7 | | |

TABLE No. 8

-Monolinguals -

Serbo-Croat L1

| boys | | | girle | |
|--------------|----|----|-----------|----|
| 1. factories | 20 | 1. | factories | 18 |
| 2. cinema | 19 | 2. | house | 15 |
| 3. parks | 16 | 3. | streets | 14 |
| 4. cars | 16 | 4. | Cars | 13 |
| 5. house | 14 | 5. | schools | 13 |

"COUNTRYSIDE"

A) The older group

TABLE No. 9

| | Eng | $lish L_1$ | | $Serbo-Croat L_1$ | | | | | |
|------------|-----|------------|----|-------------------|----|-------------|----|--|--|
| boys | | girls | | boys | | girls | | | |
| 1. tree | 28 | 1. farm | 25 | 1. forest | 17 | 1. forests | 19 | | |
| 2. farm | 27 | 2. tree | 24 | 2. cultivated | | 2. vineyard | 15 | | |
| 3. hill | 24 | 3. hill | 24 | field | 12 | | | | |
| 4. corn | 24 | 4. grass | 23 | 3. mountain | 12 | 3. corn | 11 | | |
| 5. meadows | 24 | 5. field | 21 | 4. tree | 11 | 4. maize | 11 | | |
| | | | | 5. field | 11 | 5. stream | 11 | | |

- Bilinguals -

| | $Hungarian L_1$ | | | | | | | | Serbe | -Cro | at L ₂ | | |
|----|-----------------|----|----|---------|----|--|----|-----------|-------|------|-------------------|----|--|
| | boys | | | girle | | | | boys | | | girle | | |
| 1. | forest | 25 | 1. | tree | 25 | | 1. | forest | 19 | 1. | forest | 19 | |
| | hill | 23 | 2. | forest | 21 | | 2. | wood | 17 | 2. | grass | 17 | |
| 3. | tree | 22 | 3. | grass | 21 | | 3. | mountains | 15 | 3. | flowers | 16 | |
| 4. | river | 18 | 4. | hill | 21 | | 4. | grass | 15 | 4. | wood | 14 | |
| 5. | grass | 18 | 5. | flowers | 19 | | Б. | hills | 12 | 5. | hills | 11 | |

B) The younger group

TABLE No. 11

- Bilinguals -

| | | Hungarian L ₁ | | | Á | Serbo-Croat L ₂ | |
|-----------|----|--------------------------|----|-----------|----|----------------------------|----|
| boya | | girle | | boys | | girls | |
| 1. forest | 23 | 1. field | 21 | 1. wood | 18 | 1. grass | 21 |
| 2. hill | 19 | 2. forests | 20 | 2. grass | 13 | 2. wood | 19 |
| 3. field | 18 | 3. flowers | 19 | 3. forest | 12 | 3. flowers | 19 |
| 4. tree | 18 | 4. river | 18 | 4. rivers | 10 | 4. forest | 10 |
| 5. river | 18 | 5. tree | 16 | 5. sun | 10 | 5. ground | 9 |

TABLE No. 12

- Monolinguals -

Serbo-Croat L,

| boys | | | girle | |
|---------------|----|----|----------|----|
| 1. forest | 21 | 1. | forests | 23 |
| 2. mountain | 14 | 2. | mountain | 18 |
| 3. river | 13 | 3. | river | 14 |
| 4. tree | 10 | 4. | grass | 13 |
| 5. cultivated | | 5. | tree | 12 |
| fleld | 9 | | | |

"ENTERTAINMENT"

A) The older group

TABLE No. 13

| | | Er | L_1 | | | Seroo-Cro | $u L_1$ |
|----|---------|----|------------|----|---------------|-----------|-------------|
| | boys | | girle | | boys | | girls |
| 1. | TV | 20 | 1. dancing | 21 | 1. football | 21 1. | theatre 20 |
| 2. | film | 17 | 2. play | 19 | 2. basketball | 20 2. | dancings 19 |
| 3. | singers | 15 | 3. film | 19 | 3. cinemas | 18 3. | cinemas 16 |
| 4. | theatre | 14 | 4. TV | 17 | 4. handball | 17 4. | swimming 12 |
| 5. | actors | 14 | 5. singers | 13 | 5. theatre | 16 5. | skiing 12 |

— Bilinguals —

| | $Hungarian L_1$ | | | | | | | Serbo-Croat L ₂ | | | | | | |
|----|-----------------|----|----|---------------|----|--|----|----------------------------|----|----|---------|----|--|--|
| | boys | | | girls | | | | boya | | | girls | | | |
| 1. | cinema | 18 | 1. | theatre | 24 | | 1. | cinema | 19 | 1. | theatre | 18 | | |
| 2. | theatre | 17 | 2. | cinema | 23 | | 2. | dancing | 17 | 2. | cinema | 17 | | |
| 3. | dancing | 17 | 3. | dancing | 22 | | 3. | theatres | 15 | 3. | radio | 16 | | |
| 4. | handball | 9 | 4. | \mathbf{TV} | 21 | | 4. | football | 13 | 4. | dancing | 15 | | |
| 5. | radio | 9 | 5. | radio | 17 | | 5. | basketball | 10 | 5. | record | | | |
| | | | | | | | | | | | player | 9 | | |

B) The younger group

TABLE No. 15

- Bilinguals -

| | | Hung | arian L ₁ | | | Serbo- | Croat L. | |
|----|----------|------|----------------------|----|-------------|--------|---------------|----|
| | boys | | girls | | boy | 9 | girls | |
| 1. | cinema | 17 | 1. radio | 16 | 1. cinema | 14 | 1. cinema | 14 |
| 2. | radio | 12 | 2. TV | 15 | 2. radio | 8 | 2. theatres | 12 |
| 3. | playing | | 3. cinemas | 14 | 3. TV | 8 | 3. radio | 11 |
| | cards | 11 | | | 4. actor | 7 | 4. singers | 9 |
| 4. | theatres | 11 | 4. theatres | 12 | 5. theatres | 7 | 5. television | |
| 5. | TV | 11 | 5. sledging | 9 | | | Bet | 9 |

TABLE No. 16

- Monolinguals -

Serbo-Croat L.

| | | ,00.00 0.000 | | | | |
|----|----------|--------------|----|----------|----|--|
| | boys | | | girle | | |
| 1. | football | 17 | 1. | cinemas | 19 | |
| 2. | oinemas | 16 | 2. | theatres | 18 | |
| 3. | theatres | 16 | 3. | record | | |
| 4. | chess | 12 | | player | 13 | |
| 5. | record | | 4. | dencing | 13 | |
| | player | 11 | 5. | musio | 12 | |

"JOBS"

A) The older group

TABLE No. 17

| | | Lin | gust L_1 | Seroo-Croat L ₁ | | | | | |
|----|-----------|-----|--------------|----------------------------|--------------|-------|------------|----|--|
| | boys | | girls | | boys | | girls | | |
| 1. | teacher | 27 | 1. teacher | 28 | 1. professor | 18 1. | doctor | 22 | |
| 2. | sailor | 22 | 2. doctor | 24 | 2. doctor | 17 2. | professor | 20 | |
| 3. | policeman | 20 | 3. nurse | 19 | 3. cleaner | 17 3. | cleaner | 19 | |
| 4. | soldier | 19 | 4. typist | 16 | 4. carpenter | 16 4. | engineer | 18 | |
| 5. | doctor | 18 | 5. policeman | 16 | 5. driver | 16 5. | technician | 18 | |

- Bilinguals -

| Н | unga | $rian L_1$ | | | Serbo-C | roal L_2 | |
|----------------|------|--------------|----|---------------|---------|--------------|----|
| boys | | girls | | boys | | girls | |
| 1. doctor | 17 | 1. professor | 23 | 1. teacher | 13 | 1. teacher | 19 |
| 2. carpenter | | 2. doctor | 21 | 2. bricklayer | 10 | 2. doctor | 15 |
| 3. electrician | | 3. carpenter | 17 | 3. professor | 10 | 3. professor | 13 |
| 4. merchant | | 4. tailor | 17 | 4. auto- | | 4. teacher | 11 |
| 1000 | | | | mechanic | 9 | | |
| 5. professor | 15 | 5. writer | 15 | 5. locksmith | 8 | 5. director | 10 |

B) The younger group

TABLE No. 19

- Bilinguals -

| | Hungan | rian L ₁ | | $Serbo$ - $Croat$ L_2 | | | | | | |
|------------|---------|---------------------|----|-------------------------|-----------|----|----|-----------|-----|-----|
| be | ous | girls | | | boys | | | girls | | |
| 1. carpen | ter 20 | 1. professor 2 | 28 | 1. | carpenter | 14 | 1. | teacher | 21 | |
| 2. profess | | 2. carpenter 2 | | 2. | teacher | 12 | 2. | carpenter | 20 | |
| 3. driver | | 3. principal | | 3. | director | 9 | 3. | director | 15. | (4) |
| 4. shoem | eker 13 | 4. shoemaker | 19 | 4. | worker | 9 | 4. | baker | 12 | |
| 5. doctor | | 5. doctor | 16 | 5. | doctor | 7 | 5. | teacher | 12: | |

TABLE No. 20

- Monolinguals -

Serbo-Croat L_1

| boys | | girls |
|---------------------------|----|--|
| 1. worker | 19 | 1. engineer 19 |
| 2. clerk | 18 | 2. doctor 19 |
| 3. professor | 17 | 3. teacher 19 |
| 4. teacher (in general) | 15 | 4. worker 18 |
| 5. teacher (in elementary | 14 | 5. professor 17 |
| school) | | and the state of t |

"SCIENCE"

A) The older group

TABLE No. 21

| 9 |
|---------|
| ое 9- |
| st 9 |
| ogist 8 |
| 8. |
| is 8. |
| 1 |

- Bilinguals -

| | Hun | ngaria | $n L_1$ | | Serbo-Croat L ₂ | | | | | | |
|--------------|-----|--------|----------|----|----------------------------|-----------|----|----|------------|----|--|
| boye | | | girls | | | boye | | | girlə | | |
| 1. chemist | 18 | 1. ol | hemist | 15 | 1. | chemistry | 13 | 1. | physics | 10 | |
| 2. physicist | 16 | 2. p | hysioist | 14 | 2. | physics | 12 | 2. | chemist | 9 | |
| 3. biologist | 11 | 3. b | iologist | 7 | 3. | biology | 9 | 3. | biology | 8 | |
| 4. physics | 9 | 4. b | iology | 6 | 4. | rockets | 9 | 4. | technology | 8 | |
| 5. scientist | 8 | 5. c | omposer | 5 | 5. | physicist | 8 | 5. | chemistry | 8 | |

B) The younger group

TABLE No. 23

- Bilinguals -

| $Hungarian L_1$ | | | | | | | $Serbo$ -Croat L_s | | | | | | |
|-----------------|-----|-----|--------------|----|--|----|----------------------|---|----|-------------|---|--|--|
| boya | | | girls | | | | boys | | | girlə | | | |
| 1. scientist | 10 | - 1 | . scientist | 11 | | 1. | professor | 5 | 1. | high school | 7 | | |
| 2. university | y 4 | 2 | . university | 9 | | 2. | biology | 4 | 2. | professor | 5 | | |
| 3. engineer | 4 | 3 | high school | 7 | | 3. | mathematics | 4 | 3. | college | 5 | | |
| 4. professor | 3 | 4 | . school | 6 | | 4. | rocket | 4 | 4. | school | 5 | | |
| 5. physics | 3. | | . professor | 4 | | 5. | high school | 3 | 5. | wise | 4 | | |

TABLE No. 24

- Monolinguals -

Serbo-Croat L1

| boye | | girla | |
|--------------|----|----------------|---|
| 1. soientist | 10 | 1. scientist 1 | 1 |
| 2. rocket | 10 | 2. physics | 7 |
| 3. chemist | 9 | 3. biology | 6 |
| 4. universe | 8 | 4. universe | 6 |
| 5. estronaut | 8 | 5. explorer | 6 |

"MEANS OF TRANSPORT"

A) The older group

TABLE No. 25

| | | 13 /0geoc | 10 221 | | | | | 13010 | 0-070 | JUNI | L_1 | | |
|-----|-----------|-----------|--------|---------|----|----|---------|-------|-------|------|---------|----|--|
| | boys | | | girls | | | boys | | | | girls | | |
| 1. | punt | 25 | 1. | Car | 29 | 1. | bicycle | 27 | | 1. | plane | 27 | |
| 2. | taxi | 19 | 2. | bus | 29 | 2. | plane | 24 | | 2. | ship | 27 | |
| 3. | feet | 18 | 3. | train | 25 | 3. | ship | 24 | | 3. | bicycle | 26 | |
| 4. | car | 16 | 4. | lorry | 21 | 4. | bus | 22 | | 4. | train | 22 | |
| -5. | steamship | 16 | 5. | bicycle | 21 | 5. | boat | 21 | | Б. | car | 20 | |

- Bilinguals -

| | Hu | ngarian L_1 | | | Serbo-Croal L. | | | | | |
|----------|----|---------------|--------|-------------|----------------|------------|----|--|--|--|
| boys | | girls | Tayen) | boys | | girls | | | | |
| 1. ship | 26 | 1. train | 26 | 1. plane | 24 | 1. bioycle | 25 | | | |
| 2. plane | 23 | 2. bus | 25 | 2. bioycles | 21 | 2. train | 23 | | | |
| 3. boat | 22 | 3. ship | 25 | 3. train | 21 | 3. plane | 21 | | | |
| 4. train | 21 | 4. plane | 24 | 4. bus | 21 | 4. bus | 21 | | | |
| 5. car | 19 | 5. boat | 23 | 5. ship | 20 | 5. oar | 18 | | | |

B) The younger group

TABLE No. 27

- Bilinguals -

| | Hun | $ngarian L_1$ | | Serbo-Oroat L. | | | | | |
|----------|-----|---------------|----|----------------|---------|----|----------|------------|----|
| boy | 8 | girl | ls | | boy | 8 | | girle | |
| 1. plane | 26 | 1. car | 28 | 1. | bioyole | 24 | estano I | . bioyoles | 26 |
| 2. ship | | 2. train | 27 | 2. | train | 20 | Aplon S | . train | 26 |
| 3. train | 23 | 3. ship | 27 | 3. | bus | 18 | | . plane | 23 |
| 4. car | 21 | 4. plane | 25 | 4. | plane | 17 | Divir 4 | . bus | 20 |
| 5. bus | 21 | 5. bus | 24 | 5. | ship | 16 | Thirty & | i, lorry | 18 |

TABLE No. 28

- Monolinguals -

Serbo-Croat L1

| gree | |
|-----------|--|
| . plane | 30 |
| . ship | 30 |
| . bioyole | 27 |
| l. bus | 26 |
| 5. train | 24 |
| | giste 1. plane 2. ship 3. bicycle 4. bus 5. train |

"POLITICS"

A) The older group

TABLE No. 29

| English L_1 | | | | | Serbo-Croat L ₁ | | | | | | |
|---------------|---------------|----|----|----------------|----------------------------|----|-------------|----|----|-------------|----|
| | boys | | | girls | | | boys | | | girla | |
| 1. | county | | 1. | Prime | | 1. | congress | 10 | 1. | congress | 21 |
| | council | 24 | | Minister | 26 | | | | | | |
| 2. | M.P.'s | 23 | 2. | Parliament | 22 | 2. | presidents | 10 | 2. | communists | 11 |
| 3. | opposition | 22 | 3. | House of | | 3. | socialism | 10 | 3. | assembly | 10 |
| | of Sterner II | | | Commons | 19 | | | | | | |
| 4. | constitution | 21 | 4. | House of Lords | 19 | 4. | capitalism | 8 | 4. | conferences | 8 |
| 5. | cabinet | 20 | 5. | elections | 15 | 5. | conferences | 7 | 5. | SKOJ | 8 |

- Bilinguals -

| | Hun | ngaria | $n L_1$ | | Serbo-Croat $L_{lacktrlambda}$ | | | | | |
|----|------------|--------|-----------------|------|--------------------------------|------------|----|-------------------|----|--|
| | boys | | girls | | | boys | | girle | | |
| 1. | congress | 19 | 1. congress | 19 | 1. | congress | 16 | 1. congress | 16 | |
| 2. | president | 19 | 2. president | 15 | 2. | communist | 9 | 2. conference | 11 | |
| 3. | communism | 10 | 3. conference | 15 | 3. | president | 9 | 3. president | 10 | |
| 4. | socialism | 9 | 4. vice preside | nt 8 | 4. | conference | 7 | 4. vice president | 7 | |
| 5. | politician | 8 | 5. communist | 7 | 5. | politician | 7 | 5. party | 6 | |

B) The younger group

TABLE No. 31

- Bilinguals -

| Hu | $Hungarian L_1$ | | | | | | | | Serbo | -Croc | L_{a} | | |
|-----------------|-----------------|----|---------|----|----|--|----|--------|-------|-------|---------|---------------|---|
| boys | | | girl | 8 | | | | bog | ys . | | | girls | |
| 1. congress | 17 | 1. | congres | 88 | 22 | | 1. | congre | SS | 5 | 1. | 29th November | 7 |
| 2. struggle for | | 2. | peace | | 11 | | 2. | radio | | 4 | 2. | congress | 7 |
| реасе | 16 | | | | | | | | * | | | | |
| 3. meetings | 5 | 3. | war | | 9 | | 3. | "Polit | ika'' | 3 | 3. | VIII congress | 7 |
| 4. session | 5 | 4. | fight | | 7 | | 4. | war | | 3 | 4. | war | 5 |
| 5. AVNOJ | 4 | 5. | AVNO | J | 6 | | 5. | meetin | ıg | 3 | 5. | radio | 4 |

TABLE No. 32

- Monolinguals -

Serbo-Croat L1

| | boys | | | girls | oli | |
|----|------------|----|----|------------|-----|--|
| | | 11 | 1. | congress | 14 | |
| 2. | AVNOJ | 7 | 2. | socialism | 9 | |
| 3. | communists | 7 | 3. | politician | 6 | |
| 4. | socialism | 6 | 4. | peace | 5 | |
| 5. | session | 5 | 5. | republic | - 5 | |

"PARTS OF THE HOUSE"

A) The older group

TABLE No. 33

| English L_1 | | | Serbo-Croat L ₁ | | | | | | |
|----------------|----|------------|----------------------------|------------|----|------------|----|--|--|
| boys | | girls | | boys | | girls | | | |
| 1. rooms | 28 | 1. bedroom | 25 | 1. walls | 23 | 1. doors | 25 | | |
| 2. dining-room | 26 | 2. window | 24 | 2. windows | 23 | 2. windows | 25 | | |
| 3. floors | 25 | 3. door | 24 | 3. door | 22 | 3. walls | 23 | | |
| 4. fireplace | 24 | 4. kitchen | 23 | 4. roof | 22 | 4. roof | 22 | | |
| 5. kitchenette | 20 | 5. roof | 22 | 5. cellar | 20 | 5. room | 19 | | |

- Bilinguals -

Hungarian L₁

Serbo-Croat L2

| boys | | girls | irls boys | | | girls | | | |
|------|---------|-------|------------|----|------------|-------|-----------|----|--|
| 1. | window | 26 | 1. window | 24 | 1. door | 25 | 1. window | 24 | |
| 2. | chimney | 25 | 2. door | 23 | 2. window | 24 | 2. wall | 23 | |
| | door | 24 | 3. chimney | 22 | 3. wall | 20 | 3. door | 22 | |
| 4. | kitchen | 18 | 4. attic | 22 | 4. roof | 17 | 4. roof | 20 | |
| 5. | attic | 18 | 5. wall | 20 | 5. chimney | 16 | 5. brick | 19 | |

B) The younger group

TABLE No. 35

- Bilinguals -

Hungarian L_1

English L1

Serbo-Croat L2

Serbo-Croat L1

| boys | | 9 | girls | | boys | | girls | | |
|------|----------|----|------------|----|-----------|----|-----------|----|--|
| 1 | . door | 23 | 1. door | 23 | 1. window | 21 | 1. window | 21 | |
| 2 | . window | 22 | 2. window | 22 | 2. door | 18 | 2. door | 19 | |
| 3 | . floor | 19 | 3. kitchen | 19 | 4. roof | 14 | 3. wall | 16 | |
| 4 | . cellar | 18 | 4. attic | 19 | 4. wall | 13 | 4. pantry | 12 | |
| 5 | . roof | 18 | 5. cellar | 19 | 5. cellar | 12 | 5. cellar | 11 | |

TABLE No. 36

- Monolinguals -

Serbo-Croat L1

| | boys | girls | |
|-------------|------|------------|----|
| 1. door | 27 | 1. windows | 28 |
| 2. windows | 26 | 2. door | 27 |
| 3. walls | 22 | 3. walls | 27 |
| 4. room | 21 | 4. roof | 24 |
| 5. bathroom | 18 | 5. room | 22 |

"FOOD AND DRINKS"

A) The older group

TABLE No. 37

| | - boys | , | | girls | | | | boys | | | | girls | | |
|----|----------|----|----|----------|----|---|----|---------|----|----|----|---------|----|--|
| 1. | potatoes | 26 | 1. | potatoes | 27 | | 1. | cabbage | 21 | | 1. | wine | 19 | |
| | mutton | 20 | 2. | milk | 27 | 1 | 2. | wine | 19 | | 2. | apple | 19 | |
| 3. | cabbage | 20 | 3. | bread | 23 | | 3. | meat | 19 | | 3. | paprika | 18 | |
| 4. | water | 20 | 4. | coffee | 23 | | 4. | apples | 18 | A. | 4. | brandy | 18 | |
| Б. | milk | 19 | 5. | tea | 23 | | 5. | pear | 17 | | 5. | milk | 17 | |

- Bilinguals -

| | Hungar | $rian L_1$ | | Serbo-Croat L ₂ | | | | | | | | |
|------------|--------|------------|----|----------------------------|-------|----------|----|--|--|--|--|--|
| boy | 8 | girls | | boys | | girls | | | | | | |
| 1. wine | 20 | 1. milk | 23 | 1. wine | 24 1. | cabbage | 21 | | | | | |
| 2. cabbage | 20 | 2. apples | 22 | 2. brandy | 22 2. | potatoes | 21 | | | | | |
| 3. paprika | 20 | 3. paprika | 22 | 3. apple | 17 3. | wine | 19 | | | | | |
| 4. milk | 20 | 4. wine | 21 | 4. milk | 17 4. | meat | 19 | | | | | |
| 5. butter | 19 | 5. butter | 19 | 5. bread | 17 5. | mille | 10 | | | | | |

B) The younger group

TABLE No. 39

- Bilinguals -

| | nungan | $ran L_1$ | Serbo-Uroat L ₂ | | | | | |
|-------------|--------|------------|----------------------------|-------------|-------|-------------|----|--|
| boys | | girls | | boys | girls | | | |
| 1. cabbage | 20 | 1. wine | 28 | 1. wine | 21 | 1. potatoes | 22 | |
| 2. paprika | 20 | 2. brandy | 26 | 2. water | 19 | 2. wine | 21 | |
| 3. greens | 19 | 3. cabbage | 23 | 3. brandy | 19 | 3. tomatoes | 21 | |
| 4. water | 18 | 4. greens | 21 | 4. potatoes | 18 | 4. water | 19 | |
| 5. tomatoes | 18 | 5. liqueur | 21 | 5. paprika | 16 | 5. cabbage | 18 | |

TABLE No. 40

- Monolingulas -

Serbo-Oroat L,

| | boy | 0 | girls | | | | | |
|----|----------|----|-------------|----|--|--|--|--|
| 1. | wine | 24 | 1. wine | 23 | | | | |
| 2. | brandy | 24 | 2. brandy | 23 | | | | |
| 3. | beer | 20 | 3. liqueurs | 19 | | | | |
| 4. | liqueurs | 17 | 4. meat | 18 | | | | |
| 5. | potatoes | 16 | 5. paprika | 17 | | | | |

"OLOTHES"

A) The older group

TABLE No. 41

| - | Engl | lish L ₁ | | Serbo-Oroat L ₁ | | | | | | |
|-------------|------|---------------------|----|----------------------------|----|--------------|----|--|--|--|
| boy | 9 | girle | | boye | | girle | | | | |
| 1, shirt | 30 | 1. cardigan | 30 | 1. sooks | 25 | 1. stockings | 25 | | | |
| 2. sooks | 30 | 2. blouse | 29 | 2. coats | 24 | 2. cardigan | 25 | | | |
| 3. tie | 29 | 3. Books | 29 | 3. shoes | 24 | 3. coats | 24 | | | |
| 4. trousers | 28 | 4. hat | 29 | 4. cardigan | 24 | 4. trousers | 24 | | | |
| 5. shoes | 28 | 5. skirt | 28 | 5. shirt | 22 | 5. dresses | 24 | | | |

- Bilinguels -

| | Hun | garian | L_1 | | Serbo-Croat L ₂ | | | | | | |
|-------------|-----|--------|------------|----|----------------------------|----------|----|----|-----------|----|--|
| boys | | | girls | | | boys | | | girls | | |
| 1. shirt | 25 | 1. | blouse | 27 | 1. | shoes | 26 | 1. | skirt | 27 | |
| 2. trousers | 24 | 2. | stockings | 27 | 2. | shirt | 25 | 2. | stockings | 27 | |
| 3. pullover | 24 | 3. | suit/dress | 26 | 3. | coat | 24 | 3. | blouse | 26 | |
| 4. Book | 24 | 4. | shoe | 26 | 4. | pullover | 22 | 4. | shoes | 26 | |
| 5. shoe | 24 | 5. | shirt | 24 | 5. | skirt | 22 | 5. | coat | 25 | |

B) The younger group

TABLE No. 43

- Bilinguals -

| | | Hu | ngarian | L_1 | | Serbo-Croat L_2 | | | | | | |
|----|----------|----|---------|-----------|----|-------------------|----|----|----------|----|--|--|
| | boys | | | girls | | boys | | | girle | | | |
| 1. | shirt | 27 | 1. | trousers | 29 | 1. coat | 26 | 1. | shoe | 28 | | |
| 2. | trousers | 27 | 2. | stockings | 29 | 2. shoes | 23 | 2. | stooking | 28 | | |
| 3. | pullover | 27 | 3. | coat | 28 | 3. pullover | 21 | 3. | pullover | 25 | | |
| | sock | 27 | 4. | blouse | 27 | 4. sock | 21 | 4. | skirt | 25 | | |
| 5. | shoe | 27 | 5. | pullover | 27 | 5. trousers | 21 | 5. | coat | 24 | | |

TABLE No. 44

- Monolinguels -

Serbo-Croat L1

| | boys | | | girls | |
|------|---------|----|----|-----------|----|
| 1. 0 | ardigan | 28 | 1. | stockinge | 29 |
| 2. 6 | ocke | 27 | 2. | skirt | 28 |
| 3. 6 | shirt | 25 | 3. | shoes | 27 |
| 4. j | ersey | 25 | 4. | caps | 26 |
| 5. a | hoes | 25 | 5. | slip | 26 |

"PARTS OF THE BODY"

A) The older group

TABLE No. 45

- Monolinguals -

Serbo-Croat L1

| | boys | desc. | | girls | | | | | | |
|----|---------|-------|----|-------|----|--|--|--|--|--|
| 1. | ears | 26 | 1. | еуев | 25 | | | | | |
| 2. | hair | 25 | 2. | ears | 24 | | | | | |
| 3. | eyes | 25 | 3. | head | 23 | | | | | |
| | legs | 24 | 4. | nose | 23 | | | | | |
| | fingers | 24 | 5. | legs | 23 | | | | | |

- Bilinguals -

| $Hungarian L_1$ | | | | | | | Serbo-Croat L | | | | | | |
|-----------------|----|----|--------|----|--|----|---------------|----|--|----|-------|----|--|
| boys | | | girls | | | | boys | | | | girlə | | |
| 1. arm | 25 | 1. | nose | 27 | | 1. | ears | 26 | | 1. | leg | 27 | |
| 2. ear | 25 | 2. | leg | 25 | | 2. | leg | 25 | | 2. | arm | 27 | |
| 3. eye | 24 | 3. | finger | 25 | | 3. | nose | 25 | | 3. | ears | 27 | |
| 4. leg | 23 | 4. | arm | 24 | | 4. | eyes | 25 | | 4. | nose | 26 | |
| 5. nose | 23 | 5. | өуө | 24 | | 5. | arms | 25 | | 5. | еуез | 26 | |
| | | | | | | | | | | | | | |

B) The younger group

TABLE No. 47

- Bilinguals -

| $Hungarian L_1$ | | | | | | | | Serbo-Croat L ₂ | | | | | | |
|-----------------|------|----|-----|-------|----|--|-----|----------------------------|------|----|----|-------|----|--|
| | boys | | | girls | 9 | | | | boys | | | girls | | |
| 1. | leg | 28 | 1. | arm | 29 | |] | ١. | head | 27 | 1. | leg | 29 | |
| 2. | еуе | 28 | 2. | nail | 29 | | - 2 | 2. | legs | 27 | 2. | arms | 29 | |
| 3. | ear | 28 | 3. | nose | 29 | | | 3. | arms | 27 | 3. | head | 28 | |
| 4. | nose | 27 | .4. | ear | 29 | | 4 | Ŀ, | nose | 25 | 4. | ears | 28 | |
| 5. | arm | 26 | 5. | leg | 28 | | | 5. | еуев | 25 | б. | neck | 26 | |

TABLE No. 48

- Monolinguals -

Serbo-Croat L1

| boy | 9 | | girlə | |
|----------|-------|------|-------|----|
| 1. eyes | 28 | 1. | nose | 30 |
| 2. nose | 27 | 2. | eyes | 28 |
| 3. teeth | 25 | 3. | ears | 28 |
| 4. finge | rs 25 | . 4. | lege | 27 |
| 5. ears | 25 | 5. | arms | 26 |

"WAR AND PEACE"

A) The older group

TABLE No. 49

- Monolinguals -

Serbo-Croat L1

| | boya | | girls | |
|----|-------------|----|--------------|---|
| 1. | rifle | 16 | 1. rifle 18 | 8 |
| 2. | bomb | 13 | 2. freedom 1 | В |
| 3. | cannons | 13 | 3. bombs 18 | 5 |
| 4. | tanks | 11 | 4. gun 1: | 1 |
| 5. | machine-gun | 10 | 5. cannons 1 | 1 |

- Bilinguals -

| $Hungarian L_1$ | | | | | $Serbo$ - $Croat$ L_2 | | | |
|-----------------|-----|-----------|------|----------|-------------------------|----|----------------|----|
| boys | | g | irls | | boys | | girle | |
| 1. cannon | .17 | 1. rifle | 17 | 1. rifle | | 20 | 1. rifle | 19 |
| 2. rifle | 17 | 2. cannon | 15 | 2. bomb | .d ban | 18 | 2. bomb | 17 |
| 3. bomb | 14 | 3. bomb | 13 | 3. mach | ine-gun | 18 | 3. machine-gun | 13 |
| 4. peace | 14 | 4. tank | 13 | 4. cann | ons | 16 | 4. tanks | 13 |
| .5. tank | 14 | 5. peace | 10 | 5. tanke | | 15 | 5. cannons | 12 |

shanfl of Salender of typenes B) The younger group northology & Mail of asswell

malrov HIV susqued Assessed TABLE No. 51

- Bilinguals -

| | Hun | $garian L_1$ | | Ser | bo-Croa | $t L_2$ | 240 |
|-------------------|-----------|----------------|------|------------------|---------|------------|-----|
| boys | | girls | 0794 | boys | | girls | |
| 1. bombing | 16 | 1. joy | 14 | 1. bombing | 9 | 1. peace | 8 |
| 2. joy | 12 | 2. declaration | | 2, peace | 8 | 2. freedom | 8 |
| No din Francialia | Supportui | of war | 13 | solveA CE form 3 | | | |
| 3. firing | 9 | 3. peace | 11 | 3. bomb | 7 | 3. war | 7 |
| 4. peace | 8 | 4. bombing | 9 | 4. shooting | 7 | 4. bombing | 6 |
| 5. declaration | Lyon In | 5. freedom | 9 | 5. rifles | 6 | 5. rifles | 6 |
| of war | 8 | | | | | | |

TABLE No. 52

- Monolinguals -

Serbo-Croat L1

| boys | | girls | | | |
|----------------|----|------------|----|--|--|
| 1. rifle | 20 | 1. rifle | 14 | | |
| 2. machine-gun | 18 | 2. freedom | 13 | | |
| 3. cannons | 17 | 3. bombs | 11 | | |
| 4. tanks | 17 | 4. peace | 11 | | |
| 5. bombs | 16 | 5. cannons | 11 | | |

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