

## Nineteenth International Linguistics Olympiad

Castletown (Isle of Man), 25–29 July 2022

Individual Contest Solutions

**Problem 1.** Sb —  $\boxed{\text{Ob}_{\text{dir}}}$  → Ob<sub>obl</sub>:

|               | Ob <sub>dir</sub>     | Ob <sub>obl</sub> | Sb         |
|---------------|-----------------------|-------------------|------------|
| 1st person sg | <b>s-</b>             |                   |            |
| 1st person pl | <b>š'-</b>            |                   |            |
| 2nd person sg | <b>w-</b>             |                   |            |
| 2nd person pl | <b>š<sup>w</sup>-</b> |                   |            |
| 3rd person sg | <b>a-</b>             | ∅-                | <b>n-</b>  |
| 3rd person pl | <b>a-</b>             |                   | <b>na-</b> |

$$+ \mathbf{t}^w + \left\{ \begin{array}{l} \left[ \begin{array}{l} \text{Ob}_{\text{dir}} = \text{pl} \\ \text{2nd person pl} \in \{\text{Ob}_{\text{dir}}, \text{Ob}_{\text{obl}}, \text{Sb}\} \end{array} \right] : \begin{array}{l} \mathbf{a} \\ \mathbf{\partial} \end{array} \\ \text{otherwise} \end{array} \right\} + \mathbf{n}$$

$\text{C}_1\text{C}_2 \rightarrow \text{C}_1\mathbf{\partial}\text{C}_2$  ( $\text{C}_1$  and  $\text{C}_2$  are consonants)

(a) **aš<sup>w</sup>ast<sup>w</sup>an** — *I give them to you<sub>pl</sub>.*

- (b)
1. **aš'ant<sup>w</sup>an** — *he gives him to us*
  2. **səš<sup>w</sup>t<sup>w</sup>an** — *you<sub>pl</sub> give me to him*
  3. **š'awənat<sup>w</sup>an** — *they give us to you<sub>sg</sub>*

- (c)
4. *they give you<sub>pl</sub> to me* — **š<sup>w</sup>asənat<sup>w</sup>an**
  5. *you<sub>pl</sub> give him to me* — **asəš<sup>w</sup>t<sup>w</sup>an**
  6. *you<sub>sg</sub> give us to him* — **š'awt<sup>w</sup>an**
  7. *we give you<sub>sg</sub> to them* — **was'at<sup>w</sup>an**
  8. *he gives them to us* — **aš'ant<sup>w</sup>an**