What is claimed:

1. A transducer apparatus comprising a transducer, wherein
the transducer is adapted to be placed on and to sense vibrations on the non-boney or non-cartilaginous part of the user's head, and
the vibrations arise from the user's voice.

2. A transducer apparatus according to claim 1, wherein
the non-boney part of the user's head is the fleshy area of the user's cheek near the mouth of the user, and
said vibrations include that arising from the user's speech are conducted to the surface of the fleshy area of the user's cheek through the flesh of the user's cheek.

3. A transducer apparatus according to claim 1, wherein
said transducer is an accelerometer, shock sensor, gyroscope, vibration microphone or vibration sensor.

4. A transducer apparatus comprising a transducer, wherein
said transducer is an acoustical microphone adapted to sense vibrations,
said acoustical microphone having a housing,
said housing having a hole that serves as the acoustical input port, and
the adaption of said acoustical microphone to sense vibrations is by means of said hole being placed on or pressed against the non-boney or non-cartilaginous part of said user's head.

5. A transducer apparatus according to claim 4, wherein
said hole is adapted to be covered by a membrane.

6. (Canceled)

7. A transducer apparatus according to claim 1 wherein said non-boney or non-cartilaginous part of the user's head is the user's under-chin.

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Canceled)

12. A transducer apparatus according to claim 1 further comprising an acoustical-sensing microphone having an output, wherein
the transducer having an output, and
either the output of transducer or the output of the acoustic sensing-microphone or both outputs is connected to an input of an electronic device.

13. (Canceled)

14. (Canceled)

15. A transducer apparatus according to claim 12 further comprising a sensor, wherein when said sensor senses said transducer touching said skin of the user, said output of said transducer is connected to an input of an electronic device.

16. (Canceled)

17. (Canceled)

18. A transducer apparatus according to claim 1 wherein said transducer apparatus is a earset or headset having an arm with two ends, one end is connected to said earset or headset, and other end is adapted to at least embody said transducer.

19. A transducer apparatus according to claim 1 wherein
said transducer is placed within a helmet or its assembly.

20. A transducer apparatus according to claim 1 wherein said transducer is placed within a helmet or its assembly,
said helmet having straps,
said transducer is placed under, over or within said straps, and
when said helmet is worn by the user with said straps strapped, said transducer is arranged to be placed on or pressed against said non-boney or non-cartilaginous part of the user's head.

21. (Canceled)

22. A transducer apparatus according to claim 12 wherein said electronic device has computation means, and when said computation means ascertain that the acoustical sounds sensed by said acoustical-sensing microphone is noisy or that vibrations sensed by the transducer is noisy, said output of the transducer is connected to said input of an electronic device.

23. A transducer apparatus according to claim 12, wherein
the electronic device having a first and second signal processing circuit,
the first signal processing circuit is connected to said output of the acoustical-sensing microphone,
a second signal processing circuit is connected to said output of the transducer, and either first or second or both signal processing circuit may be a passive circuit or active circuit, or a filter, or an amplifier, or an attenuator.

24. A transducer apparatus according to claim1, wherein
the transducer apparatus is at least in part embodied within an enclosure, and
the enclosure having adaptations to be affixed to a helmet.25. (Currently amended) A transducer apparatus according to claim 24, wherein
the enclosure having an arm with two ends,
one end is connected to the enclosure, and
the other end is adapted to at least embody the transducer.

26. A transducer apparatus according to claim 24, wherein
the arm is adapted such that its length does not reach beyond the side of the mouth of the user.

27. A transducer apparatus according to claim 25, wherein
the angle of the arm is approximately vertical.

28. A transducer apparatus comprising a transducer, wherein the transducer is adapted to sense vibrations on the surface of a face mask, and
the vibrations arise from the user's voice.

29. A transducer apparatus according to claim 28, wherein
part of the transducer apparatus is embodied within an enclosure,
the transducer is embodied in another enclosure, and
a cable is adapted to be connected between the transducer and the enclosure.

30. A transducer apparatus according to claim 28, wherein
the transducer is embodied in an enclosure, and
the enclosure of the transducer and surface of the face mask are arranged such that they can be affixed to each other either physically or magnetically.