

STATE OF DEVELOPMENT OF SPORT AND TECHNICAL AND APPLIED SPORTS IN THE SPORTS ORGANIZATIONS OF UKRAINE

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Annotation. *Purpose:* the study of the development of sport and technical and applied sports in the sports organizations of Ukraine. *Material:* the results of analysis of scientific and methodical literature, statistical reports of the Ministry of Youth and Sports, controls for Physical Culture and Sport, the governing bodies of education and science, society websites promoting Defence of Ukraine, the Sports Committee of Ukraine. *Results:* technical sports solve complex health and educational problems, promote patriotic education of children. In Ukraine today gaining popularity of sports-technical and applied sports. According to statistics the number of students enrolled in 2013 increased by 6% (1720 people) in relation to 2012. Total 30484 person. The most popular among children and adolescents are: military-sport all-around (amount involved is 23.9% of the total number of pupils), fire-applied sports (8.8%), parachute (8.7%), automotive (8.1 %), model aircraft (7.8%), underwater (5.8%), radio sport (7.1%). The most abundant component in the number of sports clubs have engaged in occupations which covered 18264 children and adolescents. *Conclusions:* Implementation of measures for further development of sports engineering, aviation and military applied sports will foster a versatile development, hardened physically, technically trained people. As the formation of the younger generation of sustained interest and needs in the classroom technical creativity, provide training for young people for military service and active labor.

Keywords: children, teenagers, sports, technical, military applied, sports.

Introduction

At present one of trends of sports' development is increasing of kinds of sports and separate sport disciplines, that conditioned formation of new direction – non Olympic sports. It was conditioned by demand in new, having show character, sport competitions or in improvement of existing complex kinds of sports. Bu quantity of participants and show character most of non Olympic kinds of sports do not yield Olympic ones and can be quite popular, while sportsmen, who honor their country by their achievements at international arena, deserve the same recognition and support as Olympic sportsmen. Besides, hundred of thousands of people practice non Olympic sports as amateurs, that is why their popularizing and development undoubtedly will facilitate formation of healthy life style among different age groups, first of all – youth [1, 2, 4, 5]. One of components of non Olympic sports in Ukraine are sport-technical and applied kinds of sports. In all world they belong to prestige and most vivid ones and our country is not an exclusion. As per authors [1, 3, 4] sport-technical and applied kinds of sports include kinds of sport, which combine general physical and technical fitness of a sportsman and have certain applied meaning.

For modern Ukraine the question of development of technical and applied kinds of sports is rather urgent. Sportsmen's training in some technical kinds of sports is regarded in works by Ye.V. Basenko (2010), S.Ye. Bebinov (2001), I.V. Volobuyeva (2006), V.A. Gradusova (2009), A.Yu. Rybak (2007), Ye.G. Singurindy (1982), Ye.S. Tsygankova (2008, 2009), Tikhonova N.V. (2014) [13] and other authors, in which peculiarities and specificity of training of qualified sportsmen are described. Among foreign authors we can list researches by Meistelman C., Savourey G., Besnard Y. [11]; Schneiders A.G. et al. [12]; Tranter P., Lowes M. [14]; Walker S.M., Ackland T.R., Dawson B. [15]. However, status of development of technical and applied kinds of sports has been still insufficiently studied.

The research has been fulfilled in compliance with Topical plan of scientific & research works of Kharkov state academy of physical culture for 2013-2015, topic "Perfection of sport training of sportsmen on technical and applied kinds of sports".

Purpose, tasks of the work, material and methods

The purpose of the research is studying of technical and applied kinds of sports' status in physical culture organizations of Ukraine.

The methods and organization of the research: in the course of our researches we used complex of general scientific methods, including analysis of literature sources and documents, methods of systemic analysis, methods of mathematical processing of data. In this work we presented results of analysis of scientific-methodic literature, statistical reports of Ministry of youth and sports of Ukraine, of physical culture administration boards, administrations of education and science, internet sites of association of assistance to defense of Ukraine, Sport Committee of Ukraine.

Results and discussions

Technical-applied kinds of sports, which include: aviation kinds of sports (helicopter, parachute, sail-plane, aircraft), automobile sport, carting, bike sport, radio-sport, shooting, water-motor, diving, all kinds of sport modeling (aero-model, rocket model, ship-model) are of great importance in process of children's training for labor activity, intellectual development; they are one of powerful means of formation of harmonious, socially active personality. Technical kinds of sports solve not only a complex of health related and educational tasks, but the also facilitate

patriotic education of children because popularization of such kinds of sports is carried out by association of assistance to defense of Ukraine (AADU), which was re-organized after declaration of independence of Ukraine in 1991 from Voluntary association of assistance to army, aviation and fleet (VAAAF) and by federations and sport clubs. AADU was formed for ensuring of proper conditions for military-patriotic education of youth, development of technical and applied kinds of sports, training of future warriors in military, military-technical, aviation and marine specialties. AADU cultivates and develop more than 20 technical and applied kinds of sports – automobile sports, radio, sports on water, all round events, service dogs’ training and other. For years of Ukrainian independence, sportsmen of AADU won at world and European championships 1 120 gold medals, 1 076 – silver and 847 bronze medals (Sport Committee of Ukraine: <http://www.scu.org.ua/>; Association of assistance to defense of Ukraine: <http://www.scu.org.ua/>).

AADU fruitfully cooperates with local administrations and social organizations in carrying out of measures of All-Ukraine relay-race “In honor of liberators of Ukraine” and All-Ukraine military-patriotic game “Zarnitsa”, which are conducted in order to form patriotism of rising generation, acquiring of skills, required by defender of Motherland, by schoolchildren and cultivation of proper qualities in disciples of secondary education system.

As it was noted in work by M.A. Lukash (2012), since 60-s, in USSR, with support of VAAAF technical and military-applied kinds of sports had actively developed and had been very popular among children and youth; there had been created necessary conditions for trainings and formed a system of sport competitions of different levels. As on today, AADU created sport-technical complexes, centers and clubs, in which sport training of children and youth is realized. For example, in Ukraine 13 026 of primary organizations are functioning and they involve nearly 2 million of citizens. In Kharkov and Kharkovska region there are 19 technical training centers, 8 technical sport clubs, 5 training centers, among them aero-club, named after V.O. Gryzodubova, Kharkov combined technical school, carting club “Pioner”, disciples of which take part in competitions of different levels, including international. Besides, in Kharkov, by public and private initiative there were created carting clubs “Leader”, “Dafi”, “Metallist” (Sport Committee of Ukraine: <http://www.scu.org.ua/>; Association of assistance to defense of Ukraine: <http://www.scu.org.ua/>). It should be noted that on base of Kharkov state academy of physical culture International seminars on optimization of training process in technical kinds of sports are conducted.

In modern Ukraine technical and applied kinds of sports has become very popular. As per statistical data [Report of Ministry of youth and sports of Ukraine for 2013: <http://www.kmu.gov.ua/sport/control/>] quantity of disciples increased by 6% (1720 persons) in 2013 from total quantity of trainees in technical-applied kinds of sports in respect to 2012 and is now 30 484 persons (see table 1).

Table 1

Development of technical and applied kinds of sports in physical culture organizations of Ukraine in 2013

Вид спорта	Quantity of trainees in technical and applied kinds of sports				
	Total	Including			
		HTT	CJSS, SCJSSOR	SC	Circles
Aero-model	2377	298	24	1118	937
Automobile sports	2465	28	111	2238	88
Car-model sports	657	0	69	433	155
All round events of body guards	21	0	0	21	0
Helicopter sport	6	0	0	6	0
Military sport all round events	7274	703	120	3300	3151
Water- motor sport	780	0	22	758	0
Pigeon training sport	302	60	0	212	30
Delta gliding sport	128	0	0	109	19
Carting	1151	0	59	651	441
Aircraft sport	52	0	0	52	0
Marine all round events	236	0	122	8	106

Вид спорта	Quantity of trainees in technical and applied kinds of sports				
	Total	Including			
		HTT	CJSS, SCJSSOR	SC	Circles
Motor-ball	407	0	0	407	0
Biking sport	1325	123	92	831	279
Para-sail plane sport	1019	0	0	1019	0
Parachute sport	2665	34	0	2511	120
Diving	1762	35	805	843	79
Sail plane sport	104	0	0	58	46
Aeronaut sp[ort]	170	20	0	150	0
Applied fire-fighting sport	2688	272	0	561	1855
Radio sport	2174	0	216	1621	337
Rocket-model sport	854	4	11	337	502
Dogs' training sport	898	250	0	610	38
Sport of super light flyers	15	0	0	15	0
Ship model sport	954	0	26	395	533
Total	30484	1827	1677	18264	8716

It should be noted that the highest increment of quantity of disciples was registered in sport military all round events. In 2013, quantity of trainees increased by 2663 in comparison with 2012. Also quantity of trainees in para sail plane sport increased by 942 persons, in aero-model – by 382 persons, in motor ball – by 299 persons, in rocket model sport – by 194 persons and in diving – by 191. From the above presented we can see that military-sport all round events are the most popular among children and teenagers of Ukraine – quantity of trainees in 2013 was 23.9% from total quantity of disciples. Besides, 8.8% of youth train applied fire fighting sport, 8.7% - parachute sport, 8.1% - automobile sport, 7.8% - aero-model sport, 7.1% - radio sport, 5.8% - diving [Report of Ministry of youth and sports of Ukraine for 2013: <http://www.kmu.gov.ua/sport/control>].

Analysis of statistical reports of Ministry of youth and sports of Ukraine showed that the most mass indicator of trainees' quantity belongs to sport clubs, which cover 18 264 children and teenagers (see table 1).

Conclusions:

Conducting of measures on further development of technical, aviation and applied kinds of sports will facilitate education of comprehensively developed, physically strong people, formation of population's, first of all, rising generation's steady interest and demand in technical creativity, preparation of youth for military service and active labor functioning.

In Ukraine, in 2013 quantity of trainees in technical, aviation and applied kinds of sports increased by 6%, including youth of pre-mobilization and mobilization age. The most popular kinds of sports among children and teenagers are military all round events, applied fire-fighting, parachute sport, automobile sport, aero-model, radio sport and diving.

Active attraction of different population's strata to trainings of technical, aviation and military applied kinds of sports, increasing of quantity of having show character measures, will facilitate propaganda of healthy life style, overcoming of drug-taking, alcoholism, smoking and other harmful habits, increasing of workability and human life's quality.

References:

1. Basenko E. V., Gradusov V.A. *Slobozhans'kij naukovo-sportivnij visnik* [Slobozhansky scientific and sport bulletin], 2006, vol.10, pp. 84-85.
2. Gradusov V. A., Basenko E. V. *Slobozhans'kij naukovo-sportivnij visnik* [Slobozhansky scientific and sport bulletin], 2003, vol.6, pp. 64-67.
3. Dolbysheva N. G., Savarec E. Iu. *Slobozhans'kij naukovo-sportivnij visnik* [Slobozhansky scientific and sport bulletin], 2012, vol. 5 (1), pp. 126-129.
4. Dolbysheva N.G., Kolesnik I. A., Gladenko M. V. *Slobozhans'kij naukovo-sportivnij visnik* [Slobozhansky scientific and sport bulletin], 2013, vol.4 (37), pp. 20-24.
5. Shul'ga A. S., Savarec A. Iu. *Slobozhans'kij naukovo-sportivnij visnik* [Slobozhansky scientific and sport bulletin], 2012, vol.5 (2), pp. 54-57.
6. Volobueva I.V., Gradusov V.A. *Pedagogika, psihologia ta mediko-biologicni problemi fizicnogo viovanna i sportu* [Pedagogics, psychology, medical-biological problems of physical training and sports], 2006, vol.12, pp. 26-31.
7. Sviridenko A.A. *Sbornik nauchnykh trudov Poltavskogo gosudarstvennogo pedagogicheskogo universiteta* [Collection of scientific works of Poltava State Pedagogical University], 2007, vol.3-4 (55-56), pp. 224-229.
8. Seluianov V. N., Miakochenko E. B., Sarsaniia S. K. *Teoriia i praktika fizicheskoi kul'tury* [Theory and practice of physical culture], – 1994, vol.5–6, pp. 2–6.
9. Sokolov V. A., Morozov V. I. *Voprosy teorii i praktiki fizkul'tury i sporta* [Theory and practice questions of physical education and sports], 1993, vol.23, pp. 3–6.
10. Tikhonova N.V. *Aktual'nye problemy fizicheskoi kul'tury i sporta* [Actual problems of physical culture and sports], 2014, vol.18(1), pp. 87-91.
11. Meistelman C., Savourey G., Besnard Y. Heat stress in motorsports racing. *Journal of Biomechanics*. 2006, vol.39, pp. 368-373. doi:10.1016/S0021-9290(06)84500-8.
12. Schneiders A.G., John Sullivan S., Rathbone E.J., Louise Thayer A., Wallis L.M., Wilson A.E. Visual acuity in young elite motorsport athletes: A preliminary report. *Physical Therapy in Sport*. 2010, vol.11(2), pp. 47-49. doi:10.1016/j.ptsp.2010.01.001.
13. Tikhonova N.V. Significance of youth and sports in Ukraine backup for the education of the younger generation. *Pedagogics, psychology, medical-biological problems of physical training and sports*, 2014, vol.9, pp. 60-64. doi:10.5281/zenodo.10130
14. Tranter P., Lowes M. The place of motorsport in public health: an Australian perspective. *Health & Place*. 2005, vol.11(4), pp. 379-391. doi:10.1016/j.healthplace.2004.07.004.
15. Walker S.M., Ackland T.R., Dawson B. The combined effect of heat and carbon monoxide on the performance of motorsport athletes. *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*. 2001, vol.128(4), pp. 709-718. doi:10.1016/S1095-6433(01)00277-X.

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