

рамках проекта заключено соглашение по программе малых грантов для поддержки студентов, выполняющих дипломные и магистерские работы. Для студентов специальности «География» естественно-математического факультета КГПИ одним из направлений научных исследований явилось участие в Программе Малых грантов при поддержке Научно-исследовательского центра проблем экологии и биологии Костанайского государственного педагогического института МОН РК под руководством д.б.н., профессора Брагиной Т.М./Университета Западной Вирджинии, США. В данной программе участвовали шесть студентов специальности «Биология», «География». Студенты специальности «География» Адильбаева Айсулу, Ахметова Альмира изучали социально-экономическую географию и происхождение топонимов Наурзумского региона.

Исследования проводились комплексно, всесторонне. При выполнении работ использовались следующие методы исследования: системный, при котором Наурзумский район изучался как целое, исторический – становление и развитие региона относительно исторических периодов, сравнительно-географический, картографический, при котором анализировался картографический материал, математический.

Результатом исследовательской деятельности студентов была публикация научных статей в студенческой конференции «Студенческая наука и ее роль в развитии республики Казахстан», КГПИ, 2013 год, участие в республиканской научно-практической конференции студентов и молодых ученых «Молодежь и глобальные проблемы современности».

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#### EDUCATIONAL OPPORTUNITIES AND PROGRAMS IN CLEVELAND METROPARKSUSA

#### ОБРАЗОВАТЕЛЬНЫЕ ВОЗМОЖНОСТИ И ПРОГРАММЫ В КЛИВЛЕНДСКОМ МЕТРОПАРКЕ США

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The mission of Cleveland Metroparks focuses on Conservation, Education and Recreation. The oldest park district in Ohio, the Cleveland Metropolitan Park District was established in 1917. From a few scattered donations of land in the Rocky River Valley, the Park District grew to embrace some of the most scenic areas of Greater Cleveland. In March 1917, the Ohio General Assembly passed a bill providing for "the conservation of natural resources by the creation, development and improvement of park districts." From its inception through the 1920s, the Cleveland Metropolitan Park Board concentrated its efforts on assembling parkland.

Today, the Park District includes 18 large reservations: Acacia, Bedford, Big Creek, Bradley Woods, Brecksville, Brookside, Euclid Creek, Garfield Park, Hinckley, Huntington, Lakefront, Mill Stream Run, North Chagrin, Ohio & Erie Canal, Rocky River, South Chagrin, Washington (including Rivergate), and West Creek Reservations. As the Park District continually strives to expand and conserve additional properties, the recently completed Metroparks 2020 Strategic Plan outlines vision, mission, policy framework, strategies and tactics for Cleveland Metroparks. The plan outlines seven action areas (program services, facilities, natural resources, open space and trail

networks, park expansion, reservation planning) that need to be implemented to achieve the organization's goals.

In addition to its reservations, Cleveland Metroparks also offers educational and recreation opportunities at Brecksville Nature Center, Garfield Park Nature Center, North Chagrin Nature Center, CanalWay Visitor Center, Rocky River Nature Center and the Watershed Stewardship Center. Cleveland Metroparks also partners with regional affiliates such as BAYarts, Brecksville Stables, Huntington Playhouse, Lake Erie Nature & Science Center, Rocky River Stables, and Olmsted Historical Society – Frostville Museum.

Cleveland Metroparks Zoo, an Association of Zoos and Aquariums (AZA) accredited facility, is also part of Cleveland Metroparks. The Zoo is heavily involved with conservation activities by supporting research in the wild, making grants available to researchers and scientists, and offering training and research opportunities to students both within and outside of the country.

Cleveland Metroparks employs staffs who have expertise in a variety of areas ranging from administration, finance, purchasing, law enforcement, golf instruction, turf management, law, and planning to adaptive recreation, outdoor education, aquatic biology, engineering, watershed ecology, and plant and restoration ecology. The staff ensures that Cleveland Metroparks strives to reach its vision and mission as guided by our strategic plan. However, due to the scope of the work it is integral that community members have the opportunity to assist with this work and share their skills and expertise. Therefore, Cleveland Metroparks and Cleveland Metroparks Zoo host a multitude of opportunities for individuals to volunteer!

Cleveland Metroparks is committed to offering strategies that involve citizens and ensure meaningful and effective engagement of our communities. This philosophy is supported by the mission of Cleveland Metroparks Volunteer Services which is to "promote community involvement through rewarding volunteer opportunities that support the needs and mission of Cleveland Metroparks." In 2012, 4,600 volunteers contributed more than 121,000 hours of service to the Park District and Zoo. This contribution equates to over one million dollars in enhanced services for Cleveland Metroparks!

Cleveland Metroparks Volunteers participate in a variety of activities (see List of Opportunities) which complement most divisions and activities in which the Park District and Zoo are involved.

Some specific volunteer opportunities include the Trail Monitor and Watershed Volunteer programs. The Trail Monitor program will begin its tenth season in 2014 thanks to a start-up grant from The Cleveland Foundation in support of its Successful Aging Initiative. The purpose & responsibilities of the Trail Monitor program are multifaceted. Not only are volunteers park ambassadors, they also provide education and information to visitors via interactions and provide general assistance to visitors. Trail Monitors provide park managers with information on trail conditions via regional coordinators and help deter vandalism and offer added security through their presence. Trail Monitors assist by picking up litter and clearing the trail of any small debris. Trail Monitors promote the shared trail concept, provide First Responder emergency assistance, and act as role models for other trail users. Individuals interested in the Trail Monitor activity must be 35 years of age or older and must commit to a minimum of 40 hours for the season. Each Trail Monitor applicant is interviewed and required to consent to a criminal background check.

The Watershed Volunteer Program (WVP) began in 2012 thanks to an Environmental Protection Agency (EPA) Environmental Education Grant. The WVP is a new effort to engage residents in an array of active management projects to improve watershed conditions. WVP provides training sessions on a variety of watershed related topics with follow-up restoration and monitoring activities. Participants select at least three learning modules, two restoration activities and two monitoring activities (each about 2 hrs long) to receive a Watershed Steward Certificate and Guide to Ohio Streams. Through completion of this program residents will have the tools to implement projects and monitoring in their communities. Some of the modules offered include: dynamic stream

systems, native streamside planting, invasive plant removal techniques, stream bank engineering with plants, and water quality sampling.

Other conservation efforts in which volunteers are involved include deer telemetry, turtle telemetry, coyote and owl population studies, raptor survey, Nest Watch, Frog Watch, FeederWatch, tree planting and invasive plant removal activities. The efforts and results of these activities are then utilized for outdoor education opportunities with youth, families, researchers and scientists.

Cleveland Metroparks also recognizes the need to educate youth and grow their appreciation for nature. For this reason, youth are offered the opportunity to participate in many of the above activities. In addition the Park District hosts specific programs which bring youth to the parks. These programs include zoo camp, summer camp, NatureTracks, Eco Explorers and Youth Outdoors. More specifically, Youth Outdoors is a partnership between Cleveland Metroparks, City of Cleveland and Ohio State University Extension 4-H. Youth Outdoors offers urban youth the opportunity to participate in outdoor adventure programs, learn about being a responsible user of nature and give back through service projects.

Overall, Cleveland Metroparks is a well-respected and diverse organization that plays a significant regional role in conservation, education and recreation. As Cleveland Metroparks approaches its centennial it continues to expand its reach and continues to benefit from the contribution of the thousands of individuals who volunteer and help move the organization to achieving its goals.

## **К ОСВЕЩЕНИЮ ДОСТИЖЕНИЙ ПРИРОДООХРАННОЙ ДЕЯТЕЛЬНОСТИ В КОСТАНАЙСКОМ ГОСУДАРСТВЕННОМ ПЕДАГОГИЧЕСКОМ ИНСТИТУТЕ**

*TO PUBLICIZE THE ACHIEVEMENTS OF ENVIRONMENTAL ACTION  
IN THE KOSTANAY STATE PEDAGOGICAL INSTITUTE*

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В Послании Президента Республики Казахстан Н. Назарбаева народу Казахстана определены новый политический курс состоявшегося государства и десять глобальных вызовов XXI века. Один из вызовов заключается в исчерпаемости природных ресурсов и ставит задачу сохранения и восстановления потенциала природных экосистем, сохранения и восстановления природных ресурсов, гармонизации отношений природы и человека. Одним из целевых установок и задач является переосмысление отношения к своим природным богатствам и правильного управления ими. Эти задачи должны решать образованные кадры, знания и профессиональные навыки которых являются ключевыми ориентирами современной системы образования и подготовки кадров.

Костанайский государственный педагогический институт – один из ведущих вузов Северного Казахстана, активно занимающийся природоохранной деятельностью по региону и стране.

Ректором вуза д.г.н., профессором Баймырзаевым К.М. совместно с учеными биологами и географами инициирована организация научных центров и лаборатории, проведение многочисленных экспедиции, конференций и совещаний. В настоящее время на естественно-математическом факультете сформирован научный комплекс, состоящий из двух научных центров: по изучению проблем экологии и биологии (НИЦ ПЭБ) – под руководством д.б.н., профессора Брагиной Т.М. и центр по изучению биоразнообразия – под руководством к.б.н., профессора Пережогина Ю.В; музей естественной истории; две полевые станции – в окрестностях Соснового бора и Наурзумского заповедника; два студенческих клуба, занимающиеся