Annual report 2007
Photos on front page:
- Green Heron, Groene Reiger, \textit{(Butorides striatus)}; Photo taken at Carmabi Foundation Piscadera by M. da Costa Gomez.

- French Prickle, Tuna, \textit{(Opuntia elatior)}; Photo taken at Christoffelpark by M. da Costa Gomez.

Photo on next page:
- Christoffel Mountain at Christoffelpark; Photo by L. Pors.
## Contents

<table>
<thead>
<tr>
<th>Foreword</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>C1- General information</td>
<td>8</td>
</tr>
<tr>
<td>C2- Scientific endeavours</td>
<td>9</td>
</tr>
<tr>
<td>2.1 Visiting scientists</td>
<td>9</td>
</tr>
<tr>
<td>2.2 Reports and publications</td>
<td>9</td>
</tr>
<tr>
<td>2.3 Free advice, public service and consultation</td>
<td>9</td>
</tr>
<tr>
<td>2.4 Consulting service</td>
<td>9</td>
</tr>
<tr>
<td>2.5 Academic program</td>
<td>10</td>
</tr>
<tr>
<td>2.6 Selected staff research</td>
<td>10</td>
</tr>
<tr>
<td>2.6.1 Biodiversity database</td>
<td>10</td>
</tr>
<tr>
<td>2.6.2 Research on Saba Bank fish stocks</td>
<td>11</td>
</tr>
<tr>
<td>2.6.3 Bat survey</td>
<td>12</td>
</tr>
<tr>
<td>2.6.4 Reforestation program Bonaire</td>
<td>12</td>
</tr>
<tr>
<td>2.7 Scientific presentations</td>
<td>13</td>
</tr>
<tr>
<td>2.7.1 Dr. Sophie Petit</td>
<td>13</td>
</tr>
<tr>
<td>2.7.2 Prof. Bruce Fouke</td>
<td>13</td>
</tr>
<tr>
<td>2.7.3 Dr. Dolfi Debrot</td>
<td>14</td>
</tr>
<tr>
<td>2.7.4 Drs. John de Freitas</td>
<td>14</td>
</tr>
<tr>
<td>C3- Terrestrial Nature Management</td>
<td>15</td>
</tr>
<tr>
<td>3.1 Christoffelpark</td>
<td>15</td>
</tr>
<tr>
<td>3.1.1 Management</td>
<td>15</td>
</tr>
<tr>
<td>3.1.2 Activities and events in 2007</td>
<td>15</td>
</tr>
<tr>
<td>3.1.3 Visitor statistics 2007</td>
<td>16</td>
</tr>
<tr>
<td>3.1.4 Adopt a Tree Program</td>
<td>16</td>
</tr>
<tr>
<td>3.1.5 Christoffelpark upgrading</td>
<td>17</td>
</tr>
<tr>
<td>3.1.6 PR and marketing</td>
<td>18</td>
</tr>
<tr>
<td>3.1.7 Maintenance</td>
<td>19</td>
</tr>
<tr>
<td>3.1.8 Christoffelpark Improvement Program</td>
<td>20</td>
</tr>
<tr>
<td>3.1.9 Rules and regulations</td>
<td>20</td>
</tr>
<tr>
<td>3.1.10 Wildlife management</td>
<td>21</td>
</tr>
<tr>
<td>C4- Marine Nature Management</td>
<td>27</td>
</tr>
<tr>
<td>4.1 Sponsors</td>
<td>27</td>
</tr>
<tr>
<td>4.1.1 Mooring buoys</td>
<td>27</td>
</tr>
<tr>
<td>4.1.2 Stichting Sinkuentenario ABN AMRO</td>
<td>27</td>
</tr>
<tr>
<td>4.1.3 CCWC 2007</td>
<td>27</td>
</tr>
<tr>
<td>4.2 New logo Curacao Marine Park</td>
<td>28</td>
</tr>
<tr>
<td>4.3 Visiting scientist &amp; student application procedures</td>
<td>28</td>
</tr>
<tr>
<td>4.4 Presentations and talks</td>
<td>28</td>
</tr>
<tr>
<td>4.4.1 Presentation Stichting Sinkuentenario</td>
<td>28</td>
</tr>
<tr>
<td>4.4.2 Presentation Wederfoort dive school</td>
<td>28</td>
</tr>
<tr>
<td>4.5 Other points of attention</td>
<td>29</td>
</tr>
<tr>
<td>C5- Savonet Museum</td>
<td>30</td>
</tr>
<tr>
<td>5.1 Museum implementation plan</td>
<td>30</td>
</tr>
<tr>
<td>5.2 Museum coordination</td>
<td>30</td>
</tr>
<tr>
<td>5.3 Historical research</td>
<td>31</td>
</tr>
<tr>
<td>C6- Environmental education</td>
<td>32</td>
</tr>
<tr>
<td>6.1 Target groups</td>
<td>32</td>
</tr>
<tr>
<td>6.2 Educational program reduced</td>
<td>32</td>
</tr>
<tr>
<td>6.3 Personnel changes</td>
<td>32</td>
</tr>
<tr>
<td>6.4 Inscriptions</td>
<td>33</td>
</tr>
<tr>
<td>6.5 Programs and projects</td>
<td>33</td>
</tr>
<tr>
<td>6.5.1 Foundation based education</td>
<td>33</td>
</tr>
<tr>
<td>6.5.2 4th and 5th grade of elementary school</td>
<td>33</td>
</tr>
<tr>
<td>6.5.3 6th grade of elementary school</td>
<td>33</td>
</tr>
<tr>
<td>6.5.4 Secondary school</td>
<td>33</td>
</tr>
<tr>
<td>6.6 Other activities</td>
<td>34</td>
</tr>
<tr>
<td>6.6.1 Joint Publication FMS</td>
<td>34</td>
</tr>
<tr>
<td>6.6.2 Oranjefonds sponsors educational project</td>
<td>34</td>
</tr>
<tr>
<td>6.6.3 Frater Arnoldo’s photo’s</td>
<td>34</td>
</tr>
<tr>
<td>6.6.4 Banco di Caribe</td>
<td>35</td>
</tr>
<tr>
<td>C7- PR &amp; Marketing</td>
<td>36</td>
</tr>
<tr>
<td>7.1 Press releases</td>
<td>36</td>
</tr>
<tr>
<td>7.2 Website <a href="http://www.carmabi.org">www.carmabi.org</a></td>
<td>36</td>
</tr>
<tr>
<td>7.3 Mailinglist</td>
<td>36</td>
</tr>
<tr>
<td>7.4 Advertising</td>
<td>37</td>
</tr>
<tr>
<td>7.5 <a href="http://www.liveincuracao.com">www.liveincuracao.com</a></td>
<td>37</td>
</tr>
<tr>
<td>7.6 Newsletter</td>
<td>37</td>
</tr>
<tr>
<td>7.7 Challenge</td>
<td>37</td>
</tr>
<tr>
<td>7.8 Badges and uniforms</td>
<td>38</td>
</tr>
<tr>
<td>7.9 Apparel catalogue</td>
<td>38</td>
</tr>
<tr>
<td>7.10 Posters and ad’s</td>
<td>38</td>
</tr>
<tr>
<td>7.11 Flyers and leaflets</td>
<td>39</td>
</tr>
<tr>
<td>7.12 Stands</td>
<td>39</td>
</tr>
<tr>
<td>7.13 Links and other web related activities</td>
<td>39</td>
</tr>
<tr>
<td>7.14 Other activities</td>
<td>40</td>
</tr>
<tr>
<td>C8 Library</td>
<td>41</td>
</tr>
<tr>
<td>C9 Administration</td>
<td>42</td>
</tr>
<tr>
<td>Contents</td>
<td>Page</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>C10 Laboratory facilities and logistical support</td>
<td>43</td>
</tr>
<tr>
<td>10.1 Laboratory facilities</td>
<td>43</td>
</tr>
<tr>
<td>10.2 Upgrading dorms</td>
<td>43</td>
</tr>
<tr>
<td>C11 CARMABI Clear Water Challenge 2007</td>
<td>44</td>
</tr>
<tr>
<td>11.1 Total awareness weekend</td>
<td>44</td>
</tr>
<tr>
<td>11.2 Sponsors</td>
<td>44</td>
</tr>
<tr>
<td>C12 Committees and work relations</td>
<td>45</td>
</tr>
<tr>
<td>12.1 The Green Team</td>
<td>45</td>
</tr>
<tr>
<td>12.2 Island ordinance Marine Nature management and protection</td>
<td>45</td>
</tr>
<tr>
<td>C13 Fundraising</td>
<td>46</td>
</tr>
<tr>
<td>C14 Miscellaneous</td>
<td>48</td>
</tr>
<tr>
<td>14.1 Hurricane readiness</td>
<td>48</td>
</tr>
<tr>
<td>14.2 Working visit to the Netherlands</td>
<td>48</td>
</tr>
<tr>
<td>14.3 Mr. Andre Cohen Henriquez</td>
<td>48</td>
</tr>
<tr>
<td>14.4 Biological observations</td>
<td>49</td>
</tr>
<tr>
<td>14.4.1 Scarlet Ibis</td>
<td>49</td>
</tr>
<tr>
<td>14.4.2 Scaly-naped pigeon</td>
<td>49</td>
</tr>
<tr>
<td>14.5 Estafette cake</td>
<td>49</td>
</tr>
<tr>
<td>Appendices</td>
<td></td>
</tr>
<tr>
<td>Appendix I: Visiting Scientists</td>
<td>50</td>
</tr>
<tr>
<td>Appendix II: Publications and reports</td>
<td>52</td>
</tr>
<tr>
<td>Appendix III: Free advice, public service and consultation</td>
<td>57</td>
</tr>
<tr>
<td>Appendix IV: Sponsors CCWC 2007</td>
<td>60</td>
</tr>
<tr>
<td>Appendix V: Board and personnel</td>
<td>64</td>
</tr>
</tbody>
</table>
Looking back, the year 2007 has without doubt been a promising, and action-packed year for the Carmabi foundation. I here, however, not only reflect back on 2007 but also look briefly ahead towards some of the major projects and challenges for the new year of 2008.

Starting in 2006 Carmabi suffered a major cut in government funding which necessitated a paradigm shift--that is a complete turn around in premises and thinking, and in which we struggled to redefine and reinvent the organization. We did this along four principal trajectories, namely 1) development of an academic program, 2) upgrading of the parks for higher income generation, 3) institutionalizing fundraising and 4) expansion of scientific and management consultancy services.

Now, one year later, it is fair to conclude that the foundation has been modestly successful in implementing the required transformation in both products and processes along all four trajectories. Achieving this has indeed been very painful and stressful and required many sacrifices from the staff and personnel, volunteers and board. Yet, aside from hardships, a great deal of work was accomplished and a number of important milestones were achieved this year.

The first joint academic workshops in cooperation with the University of the Netherlands Antilles, took place as planned, under coordination by our Israeli consultant Amos Gazit in the summer of 2007. The Marine Park Visitor Center got a major head start with seed funding by several important sponsors, among which the Stichting Sinkuntenario ABN-AMRO Trust, Curaçao Renaissance, SEL Maduro and Sons (Curaçao) N.V. and the DVB Bank of America N.V. The Carmabi Clear Water Challenge 2007, an initiative of the well-known local athlete Ryan de Jongh, was an awareness and fundraising event of unprecedented significance and success.

Towards the end of the year, practically final agreement was reached in the ongoing land dispute concerning the site of the Piscadera bay laboratory. This site had been given to the island government by the Curaçao Petroleum Industrie Maatschappij (Shell oil company) in 1954 specifically for the institute, and is the site on which the Carmabi facilities have been situated for more than 50 years. However, the deed had never been formally passed which opened the possibility for relatively recent conflicting claims. Major upgrading of the facilities at Piscadera baai took place, which will allow the institute to provide higher-quality lodging for up to 22 visiting scientists and students. Major donations and sponsoring were obtained and several new and dynamic volunteers joined the ranks. The quite extensive paperwork preparations for the restoration of the Savonet plantation complex were completed such that actual on-site restoration work can commence in early 2008. Major advances were made with the Netherlands Antilles Biological Database, an important consultancy project funded by USONA and under auspices of the Netherlands Antilles Directorate of Public Health. Finally, the Island Council of
Curaçao appointed Carmabi as coordinator for implementation of the “dive tag” for Curaçao, a project that had stagnated for more than 10 years.

In 2007 we further welcomed four new members to the board. These are Dr. Miguel Goede, Mr. Peter Bongers, (drs., RA), Mr. Jeffrey Sybesma (drs., mr.) and Mr. Dito Abbad (ir.). Periodic change in board membership is a statutory requirement of the foundation and in that respect we also said farewell to two board members both of whom had served more than a full term on the Carmabi board, namely Mr. Percey Virginia (mr.) and Mrs. Joke Curiel-Yard (mr.). We wish them both all the best, and thank them for their effort and support during their period as board members.

At the end of 2007, everything is still new and unfamiliar and still based on exorbitant, exhausting and ultimately unsustainable staff and personnel effort. Therefore, the focus for 2008 will have to be one of consolidation so that the changes that have been demonstrated to be possible, go yet one step further and become internalized, structured, solidified and hence sustainable on the longer term. So, whereas the year 2006 was characterized by the “paradigm shift”, and 2007 by “transformation”, for 2008, “consolidation” will be the principal organizational theme. The two other main themes around which our efforts will be structured are the international designation of 2008 as “International Year of the Reef” and the celebration of the 30th anniversary of the Christoffel Park.

More specifically we expect 2008 to be dominated by the following issues and projects:

1) Final resolution of the ongoing property dispute regarding the Piscaderabay site on which the Carmabi facilities have been present for more than 50 years.

2) Major upgrading of the visitor facilities at the Piscadera Bay laboratory

3) Continued upgrading of internal organizational processes, particularly regarding finances, human resources, and information technology.

4) Further expansion of the academically-oriented program in cooperation with both local and foreign institutions of higher learning,

5) Attainment of a financially self supporting state for the new Marine Park Visitor Center

6) Scheduled milestones for the Savonet Open Air Museum project

7) Implementation of a “dive tag” for Curaçao as a structural funding source for marine conservation in general, and a protected legal status for the Curaçao Marine Park

8) Legislation for a protected legal status for the Christoffel Park and some of its most endangered species.

For more information on some of the many important issues and achievements, projects and issues that kept us occupied in 2007, I refer the reader to the remainder of this annual report.

But before I end, I cannot help but conclude with a note of gratitude. The support Carmabi received in 2007 from donors, sponsors, volunteers and board, its new clients, both local and foreign partners, and yes, also from the island government agencies of Curaçao, has truly been astounding! On behalf of the board, and the entire staff and personnel, I here express my heart-felt gratitude to all those who made it all possible.

Sincerely,

Dr. Adolphe O. Debrot
Director
C1 General Information

Mission and goals

Carmabi’s mission is to work towards a sustainable society, in which the sustainable management of nature leads to benefits, which future generations can also enjoy. All sectors in the community play a role in this process.

Our primary goals are, therefore:
- to conduct or facilitate research for the purpose of nature management, nature conservation, nature restoration, and nature development;
- the acquisition, conservation, protection, management, restoration and development of natural areas in the broadest sense, including objects or places of value to geology, history and/or archaeology;
- to create awareness within the community, especially school children, about the contribution they can make to the promotion of sustainable development.

Sections

In relation to the mission and goals of our organization, CARMABI has the following sections:

1. Scientific Research, Academic program & Consultancy
2. Terrestrial Nature Management
3. Marine Nature Management & Marine Park Visitor Center
3. Savonet Museum
4. Environmental Education
5. PR & Marketing
6. Library
7. Administration
8. Logistical Support & Laboratory Facilities
2.1 Visiting Scientists
A total of 38 foreign scientists visited Carmabi in 2007 working on a diversity of projects. For a complete list of the visiting scientists please take a look at appendix 1.

2.2 Reports and publications
Carmabi can list an additional 53 scientific reports and publications that became available in 2007. A complete list of publications and reports can be found in appendix 2.

2.3 Free advice, public service and consultation
Several organizations, government departments and others received free advice and information from Carmabi during the year. We assisted in 56 cases, both oral and written. A list of the majority of consultations given in 2007 can be found in appendix 3.

2.4 Consulting Service
June/July 2007 – Piscadera B.V.: advice on the deployment of a sea water air conditioning system.
June 2007 – APNA: advice on contracting a research institution to investigate the Seru Mansinga geological instability problem.
June 2007 – Dutch Navy: report on underwater damage to the Knip Bay resulting from the international exercise ‘Caribbean Joint Lions’ in 2006.
July-December 2007 – Capriles Clinic: Landscaping with 128 local tree and shrub species around the patient lodging of Capriles Clinic.
August 2007 - Birdlife International: Writing and editing for important bird areas Curaçao and Bonaire.
July-December 2007 – Ecovision: The Government of Bonaire aims to develop a windmill park at Morotin and a Diesel plant at Karpata. Advice was given to relocate the proposed project.
Lagun – NewWinds Development: Advice on the terms of reference for small scale eco related development of a conservation area at Lagun, Curaçao.
Stinapa Bonaire: Washington-Slagbaai monitoring and nature inventory plan, including recommendations.
November 2007 – Directorate of Public Health (MINA): Research SabaBank
January-December 2007 – Directorate of Public Health (MINA): Biodiversity Database
October-November 2007 – Coastguard: Reforestation Tafelberg

“SabaBank, amazing underwater seascapes”. Photo by Mr. Paul Hoetjes
2.5 Academic Program

Carmabi’s academic program together with the UNA, opened in July 2007 with a one-week workshop on Mariculture and a ten-day workshop on Tropical Marine Biology and Environment. Interest in the workshops came from the USA, Japan, Europe, Caribbean countries and Curaçao. The two workshops were lead by top scientists and both workshops were accredited by UNA. The workshop SUSTAINABLE MARICULTURE of FISH & CRUSTACEANS was instructed by Prof. Dr. Sheenan Harpaz from Israel. This workshop aimed at understanding the interactions between mariculture and the environment in a manner that will help the protection of tropical marine ecosystems while enabling the production of fish and crustaceans. Issues addressed were sustainable mariculture methods, feed inputs and proper feed utilization to reduce costs and reduce environmental impacts. Participants in the workshop included people from government services, the private and NGO sectors of Curaçao. The workshop MARINE BIOLOGY AND ENVIRONMENT was instructed by Dr. Sean Lema from the USA. The workshop was an intensive introductory program on tropical marine biology and covered aspects of the physical properties of tropical marine systems, coastal ecosystems (coral reefs, sea grass habitats and mangroves), reef fishes (ecology and behavior), environmental impacts and conservation, and field survey methods. Participants in the workshop included students of the UNA and local high schools, Columbia University (USA), national park staff from STINAPA-Bonaire, and local government agencies. The workshops, their syllabi, organization, learning conditions and instructors were highly scored by the combined total of 21 participants. While the courses were run at a net financial loss to Carmabi, they did signify a great and encouraging kick-off for the academic and vocational training program. In 2007 and 2008 Carmabi will conduct and facilitate at least two courses of the University of Illinois, as well as workshops on such topics as Marine Biology and Ecology, Mariculture, Aquaculture Development Planning and Water Management in Semi-Arid Areas.

2.6 Selected staff research

2.6.1 Biodiversity database
Preparations for the implementation of the Biodiversity database continued in 2007, by searching for relevant information in books and journals in the CARMABI library. We started inserting species names of flora and fauna in an electronic spreadsheet. By the end of the year basic electronic data had been gathered on more than 2000 species.
Mr. Tom Roe made major headways developing the necessary software for the Dutch Caribbean Biodiversity Database. The spreadsheets with species names and Nature Serve ID numbers were inserted in a test database to start testing the Dutch Caribbean Biodiversity Database software. The testing started in November. We strive to make the Dutch Caribbean Biodiversity Database accessible online at the end of April 2008 in which about 4000 species will be included in the database.

2.6.2 Research on Saba Bank fish stocks
From June through December 2007, the Department of Environment and Nature (MINA) of the Directorate of Public Health of the Netherlands Antilles conducted several studies on the fish stocks of the Saba Bank, southwest of Saba. The studies were funded by USONA and headed by Dr. Wes Toller, an experienced researcher especially attracted for the project, together with Shelley Lundvall of the Saba Conservation Foundation. The overall project was initiated and coordinated by drs. Paul Hoetjes of MINA.

During the six-month period, habitat surveys were conducted to investigate how environmental and biological characteristics correlate to fish assemblage structure in the eastern portion of Saba Bank. In addition, the commercial fishery of the Saba Bank was assessed by conducting port-sampling interviews with Saban fishermen to obtain information on fishing effort, gear usage, landings and species composition of catches. Dr. Dolfi Debrot contributed to these projects, as a consultant among others with visits to Saba and the Saba Bank in June (17-21) and November (24 Nov-1 Dec). Dr. Debrot particularly helped with experimental design and statistical analysis of results. During the trips Dolfi Debrot dove on the bank together with Paul Hoetjes, Wes Toller and Shelley Lundvall, and others.

The Bank represents a major natural resource for the Netherlands Antilles and has been yielding many new discoveries, particularly under recent expeditions led by MINA and Conservation International. The draft results of the work conducted from June through December are already in and are yielding important new insights into fish distribution on the bank, as well as several management recommendations. As such, the combined projects funded by USONA under auspices of MINA represent another major advance towards the sustainable management of the Saba Bank.

In the overall effort Carmabi was additionally contracted to coordinate a side-study examining the diversity of micromolluscs on the Saba Bank. To that end Mr. Hoetjes and Dr. Toller collected sand samples from various parts of the bank. These were subsequently transported to Curacao where they were sieved, washed and sorted by
specialist Bart van Heugten, who flew in from The Netherlands. During the course of 2008, Mr. van Heugten and Dr. Jeroen Goud from the University of Amsterdam will report final results of the molluscan effort.

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2.6.3 Bat survey

In July Dr. Sophie Petit was back in town. Since her comprehensive studies on the local bat populations in the beginning of the 1990’s she has been coming back every 4 years or so to re-assess “her” populations and to do some additional research on the ecological relationships between bats and cacti. The surveys in July did not really produce surprising results. The results showed that the bat populations seem to stay relatively stable, which is a good thing. What’s always scary, though, are the low numbers we count in general. The local island-wide populations of most species are in the order of only 1000-1500 individuals. Those numbers are in agreement with the available resources, so all is well. But the slightest impact, like an irresponsible act within one cave, might be enough to blot out an entire species!

Projects for the future include a book on bats as well as some additional cacti work, together with Drs. Anna Rojer. Our “bat book” is slated for 2008, the text is well on its way, but a lot of (preferably spectacular) pictures are needed. And although bats proved to be very photogenic in the past (see the front page of our newsletter, Biná 5th year no. 3 July-September 2007), they have a strong mind of their own. Planning photo shoots is therefore challenging, to say the least.

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2.6.4 Reforestation Project: Washington Slagbaai Park and Klein Bonaire, 207 trees planted

This year many trees were planted under various projects by Carmabi. First of all a major effort at reforestation took place on Bonaire in cooperation with Stinapa Bonaire. This project was jointly funded by Carmabi, Stinapa Bonaire and the KNAP Fund of the Department of Environment and Nature (MINA) of the Directorate of Public Health of the Netherlands Antilles. The hotel Captain Don’s Habitat Bonaire graciously provided free logdging to Dr. Debrot and his wife during his January visit, during which 46 rare trees were planted at Pos Nobo in the Washington Slagbaai Park (20 Jan) and 40 trees were planted on Klein Bonaire (21 Jan). In October, a total of 121 plants were planted during the weekend of 20 and 21 of October.

On Klein Bonaire plants such as mata piská, manzaliña bobo, palu di pushi and wayaká were planted. In former times Klein Bonaire was
densely wooded with evergreen forests but by 1950 had lost most trees to overgrazing and charcoal production. The purpose of this joint reforestation project, is to put back the species which have been lost so that the woodlands can recover their former glory and ecological significance. The trees planted all produce fruits important as food to birds and other animals.

The Washinton Slagbaai park also suffered heavy deforestation in the past due to overgrazing and charcoal production under ownership of the Debrot family. As a consequence the woods today miss many important tree species and many species have become rare or have disappeared altogether. A total of 12 different species were planted in areas closed by fences to keep the goats out, including the rare Sabal palm and makurá, both seriously threatened or practically extinct on Bonaire. The young plants were in part raised by Captain Don Stewart and partly by Carmabi in Curacao. The previous planting from last year was found to have been very successful. Interesting was also to note that the thanks to the enclosures, many seedlings appeared of plants that were not planted but that had regenerated naturally. This is clear proof that removal of goats is essential to recovery of the forests in the park. At present Stinapa has fenced off Slagbaai and will soon start removing the goats so as to allow natural regeneration to take place. The rare trees planted in this project will produce seeds to give ecological recovery a head start.

2.7 Scientific presentations

2.7.1 “Cactus love… the interdependence between bats and cacti on Curacao”
by Dr. Sophie T. Petit, University of South Australia, Australia

Dr. Sophie Petit (University of South Australia), who has been doing research on bats and cacti on Curacao for many years, gave a presentation in English on Wednesday 15 August 2007. The presentation was free and about 40 people attended it and the discussion afterwards. Many members of the press were present. An article about her work was published in the local paper Napa after reporters interviewed her.

2.7.2 “A hot future for Curacao coral reefs ...”
by Dr. Bruce Fouke, University of Illinois, USA

Prof. Bruce Fouke, of the department’s of Geology, Microbiology and the Institute for Genomic Biology of the University of Illinois, who has been doing new integrated science on coral reefs around Curacao for many years, gave his presentation in English on Wednesday 12 September 2007 titled “A hot future for Curacao Coral Reefs”. The presentation addressed the new integrated science approach to the geology, ecology, DNA/RNA chemistry and evolution of coral reefs. 34 people attended the presentation.
2.7.3  **“Green green Curaçao: Reforestation efforts for sustainable development” by Dr. Dolfi Debrot, director CARMABI, Curaçao**

Dr. Adolphe Debrot (director of the CARMABI Foundation), has been leading several major reforestation projects on the island as well as the new yearly Adopt a Tree Project that CARMABI started in 2006. The goal is to provide awareness on native landscaping around buildings and ensure the survival of rare native species on the island. He gave the presentation in Dutch on Wednesday 26 September 2007, addressed reforestation results from past projects and gave insight in the plans for the future and what every individual can do to help. About 20 people attended the presentation which was held in the presentation room at CARMABI.

2.7.4 **Lecture on use of indigenous tree species for students of the Technical faculty of the UNA by Drs. John de Freitas**

Op April 12 staff member John de Freitas gave a lecture to the students of the Technical Faculty of the University of the Netherlands Antilles (UNA) that were working on an architectural project in the center of Willemstad. The topic was on how to use indigenous trees for the landscaping component of their project. Both Mr. Ir. L. Juliana and his students were very enthusiastic about the presentation. At the end of the presentation Mr. Juliana extended Mr. de Freitas an invitation to do the same next year.
3.1 Christoffelpark

3.1.1 Management
Some major personnel changes took place in the park in 2007. As of January a complete new management team started out with Mrs. Michelle da Costa Gomez as manager of the park and Mr. Cyrill Kooistra as assistant manager and coordinator of activities and events.

In January we kept on working with two individual contractors for the basic ranger work in the park, like patrolling. They were given a contract for a year in November. In the same month we started working with another part-time individual contractor.

One of the other rangers, Mr. Victor Rodriguez was transferred to the CARMABI headquarters in May.

In November we contracted (for a year) Mrs. Rachel Tokaai as assistant to the front desk officer. She also does marketing work.

We have been working on new job descriptions for all personnel. Only the new personnel received definitive job descriptions. The other descriptions need to be implemented in 2008.

One of the biggest changes was the transfer of the former assistant manager of the Shete Boka Park to the Christoffelpark. He is now working for the Activities and Events Department of the park and helps to build the activity database for the park.

Another structural change was the introduction of weekly meetings with all personnel, to discuss pending work and plan maintenance and other activities. The introduction of daily written work schedules for all personnel was also part of this.

3.1.2 Activities and events in 2007

- Pickup safari’s (55 times).
- Christoffel Mountain climbs with guide (8 times).
- Survival morning with Albert Schweitzer school.
- Jungle Tours (2 times).
- Full Moon Mountain Climbs (2 times).
- Savonet History tours.
- Boka Grandi hike with 150 kids.
- Traditional Easter climb.
- Hikes to Zorgvlied and mountain.
- Day program with children from *Alegria trai merdia* (16 children).
- DCNA Postcode lottery winners, pickup safari and history tour.
- Several parties for children.
- 2 day camping activity (June).
- Hiking with 40-man group of Isla.
- Tree planting with Albert Schweitzer school.
- Several vacation activities for groups in April, June/July, August and October.
- Special hike with lunch for 60+ group.
- Several Deer Spotting Sunset tours.
- Guiding in personal vehicles (several times).
- Special Hike with Fortis Intertrust (50 people).
- Hike with Pire College (50 children).
- Hike and campfire.

“Christoffel Mountain is one of the parks greatest assets”. Photo by M. da Costa Gomez.
3.1.3 Visitor statistics 2007
After the implementation of several upgrading projects, a diversity of activities and more marketing, we had a total increase of 21% in the number of visitors last year as compared to 2006. One of the reasons why the local visitors numbers decreased by 9% is the fact that we have been implementing stricter rules as to who applies for the local entrance fee. People born on the island but who live abroad have to pay the tourist fee. In former years it was not necessary to show an ID to confirm residency on the island.

3.1.4 Adopt a Tree Program!

**64 rare trees planted Nov-Dec 2007**
With the start of the raining season at the end of the year we continued with the tree adoption project in which everyone interested could sponsor a rare native tree and help plant it in several nature conservation areas. The Christoffelpark, like last year, was one of these areas in which Pos Shimaron and Pos Kabai were selected as prime planting areas. These areas in the park have natural water holes providing the necessary moisture that ensures the survival of the new plants.

As part of the Adopt a Tree Program a total of 64 sponsored rare trees were planted in Christoffelpark and Kabouterbos at the end of 2007.

The contributors to the *Adopt a Tree Program* were as followed:

- T. and D. Rijkers: 3
- Maria Muller: 1
- W. Vogels of the Lions Dive Hotel: 9
- L. and A. Meijnssen: 2
- H. Braadt: 1
- J. de Boer: 1
- Elisabeth Stichting: 15
- Percey Henriquez Fonds: 26
- MCB-bank: 6

We thank them all for their contributions and elaborate on the plantings funded by the two larger sponsors!

**Percey Henriquez Fund**
At the end of 2007 the board of the Percey Henriquez Fund approved funding for the planting of 80 rare trees requiring protection. Because the year and the rainy season was already drawing to...
Establishing populations of rare plants in different protected areas is one of the best strategies to ensuring their survival for future generations. The trees so far sponsored by the Percey Henriquez Fund were therefore planted in the protected confines of the Kabouterbos which Carmabi is developing as a refuge for many rare trees now found almost exclusively in the Christoffel Park. The trees planted include the rare Kaubati, *(Krugiodendron ferreum)*, *Xylosma flexuosa* and *Maytenus versluysii*.

Elizabeth Stichting and Eerste Koningkrijksboomfeestdag op Curacao, N. A.

On the 15th of December Carmabi participated in the celebration of the first official treeplanting day for Curacao organized by Elizabeth Stichting and Stichting Nationale Boomfeestdag. The day was dedicated to the late mrs. Brigida Meyer Cratz. Several rare trees were planted at the Beatrixplein in Emmastad and the Capriles Kliniek. Also the planting of 15 rare trees in the Christoffelpark was sponsored.

3.1.5 Christoffelpark Upgrading

**Pickup safari’s**

One of the new activities that we introduced in the park is the pickup safari. The visitor is driven in a pickup by one of our guides while receiving extensive information about the park history, and ecology. The tour takes 4 hours, both sides of the park are visited, and includes a stop at the terrace with a drink. It is also possible to tour only one side of the park.

This tour was very popular last year. A total of 220 visitors enjoyed our pickup safari’s.

**Deer Spotting Sunset tours**

Very few people get the chance to enjoy the park at sunset. With this tour it is possible to do that and enjoy an ecological trip through the north side of the park to spot deer and other fauna settling down for the night. With binoculars we observe the animals and cause as little disturbance as possible. This tour is also highly enjoyable for kids, takes about 3.5 hours and includes a drink and fruit. The deer sighting frequency is about 80%.

**Mountain Climbs with guide**

Most visitors climb the Christoffel mountain on their own. Others like to get extensive information about the flora and fauna to be seen and enjoy the safety of going to the top with a guide. This tour takes about four hours and includes a drink on our terrace.

**Signs (Animal quarters)**

The animal quarters of the snakes, iguana’s,
donkeys and pigs all received new signs giving a small amount of information about the species in English, Papiamentu and Dutch.

**Christoffel shop**

We started working on a new version of the souvenir shop at the park entrance in March. Many visitors look for books, posters, souvenirs, post cards and other things that give an idea of the park and support the conservation goals of the park. These products are of course excellent marketing tools and generate income for all kinds of extra activities in the park, as well as for strategic conservation measures.

Our philosophy is to sell products that are made on Curaçao by local companies and by resident and local artists. The products need to focus on local natural and cultural influences and to present something unique.

In March we started transforming the front desk office located in the former carriage shed of the Savonet Plantation complex into a front desk with an attractive but small shop. First of all we changed the color of the room to very rustic terracotta, which was received very well by our regular visitors.

At the end of the year we were selling souvenirs made by Anna Wijngaard, who uses the traditional kunuku houses as a source of inspiration for her art. These locally crafted wooden spoons, ornaments, pen holders and other gift sets, are colorful and unique.

We also reserved a space for the 100% natural products made by the local Green Island N.V. run by Tamara Croes. These products; body lotions, sun screen lotions, after sun lotions, soaps, tanning oils, massage oils and insect repellents are made on the island with all natural products, of which a great part is harvested on the island itself. Products include local coconut oil or local honey and plants like wild sage and noni.

Of course we have a big collection of books about the ecology of the island, consisting of numerous titles, which were produced by the CARMABI foundation, like the butterfly book and the excursion guide to the Christoffelpark. We also offer the immensely popular collection of books produced by the Animal Protection Foundation, on birds, animals and plants.

We further sell the collection of three posters that was produced by the Animal Protection Foundation consisting of the Land Bird poster, the Water Bird poster and the Coral Reef poster. In addition there is our own apparel collection consisting of several T-shirts, caps, shorts and bags. There is more to come in 2008.

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**3.1.6 PR & marketing**

**Christoffelpark in Brazilian magazine**

The Christoffelpark received very nice coverage in the Brazilian nature-oriented glossy magazine named *Terra da Gente*. The article was written and photographed by mr. Haroldo Castro, who visited the park in March. Together with mr. Leon...
Pors, mrs. Michelle da Costa Gomez and mr. Cyrril Kooistra he explored the diverse locations in the park and joined us on a Deer Spotting Sunset Tour. Haroldo was particularly interested in the historical part of Savonet and this, together with spectacular pictures formed an important part in his article. The next day mr. Castro joined us on a tour through the southern part of the park, climbing the Christoffel mountain in search of wild orchids and birds.

For other PR and Marketing related activities please read chapter 7.

3.1.7 Maintenance
The several roads and trails in the park need constant maintenance to control the vegetation and manage the asphalt (on car trails), signs etc. Other parts of the park were also taken into the equation.

Roads
Our rangers worked very hard in the months of March and April, after the rainy season, to repair several edges of the asphalted roads in the park. Due to heavy rains and careless maneuvering of vehicles in bends, damage was done to these edges and needed the repairing as soon as possible. To stop the damage by vehicles we placed several white stones in the bends in the road, to guide drivers to stay on the road instead of taking “short cuts”. Later in the year this proved to be very effective since many visitors now slow their speed and take the bends more carefully.

Trails
Every year “vegetation control” is a major operation. With a team of 3 rangers the situation was under control. With the newly implemented patrol schedule we were able to spread the work load instead of letting the vegetation grow to almost unmanageable proportions.

Signs
Several traffic safety signs in the park needed replacement at the beginning of the year. This was done immediately. The trail identification signs were inventoried and replacements where made where necessary. Other signs, which needed fixing, were fixed and all were painted over.

Picnic tables
Thanks to the sponsoring of Ofelgo di Caribe (chapter 3.1.11) we introduced five new picnic tables in the park, of which two were installed in the central area of the park, one on the terrace of Zorgvlied, one at Boka Grandi and one along the road to Boka Grandi.

Buildings
All the buildings around the Front Desk including the front desk itself, the bathrooms, offices, cactus garden, restaurant, and old cow corral were painted. The inside of the front desk was painted
Bathrooms
In addition, the bathrooms needed some repairs. Both bowls were changed for new more economic ones.

Patrolling
As of the beginning of 2007 our rangers patrol the park three times a day, to be able to report and fix problems, relating to both the roads and the visitors. At the same time they check how many visitors are still inside when closing hours approach. They assist with car problems like empty gasoline tanks, oil refills, flat tires, accidents, and also when people have personal emergencies in the park.

Entrance
To guarantee safety and necessary assistance from park rangers, and to prevent insurance problems we implemented stricter rules as to admitting visitors in the park. In the past it was possible to enter the park before official opening hours and stay inside the park until after closing hours. This is not possible anymore. Visitors can only go in the park on their own when it is officially open and cannot stay after closing hours. Our rangers patrol and guide all remaining visitors out before the gates lock.

Bee control
Bee nests are a persistant problem in the park as they are in every other nature area. To reduce chances of problems with the animals we regularly patrol all the hiking trails to make sure no nests or bee swarms are causing any trouble. When they indeed do, we make sure that the nests are removed. In 2007 we removed a total of 5 nests in the park. All visitors are instructed to keep on the lookout for bees and to report any problems.
3.1.10 Wildlife management

White-tailed deer
We discovered about 6 dead white-tailed deer in the park in 2007 of which 3 were found in one of the drinking wells. One of the animals was spotted by rangers while showing signs of erratic behavior. Stricter monitoring guidelines were implemented during 2007 to quarantine the cadavers of deer and get more information about the circumstances of their deaths.

Sea Turtles
On April 10th we received a message about a turtle nest spotting on Knip Beach. Our rangers followed up on the message but failed to find the reported nest. If the nest had been found, it would have been protected from beach visitors and continuously monitored to assist when the hatchlings were scheduled to come out.

On August 19th, after hurricane Dean passed, a dead sea turtle was found on the beach of Boka Grandi. No proper identification was made.

Wells and water holes
Regular patrolling of wells and water holes was instituted in 2007 to ensure their function as drinking places for wildlife in the park. Several Pos di Pia’s were cleaned of vegetation, which contaminates the water. Also wells were checked on lizards and snakes, which tend to fall into them when searching for water.

Goat control
Goats cause damage to the native vegetation and endangered species. They also promote desertification and erosion. Therefore they have no place in the park. About 50 wild goats were shot in 2007 to control the wild goat population in the park. We have intensified our contacts with (new) goat owners in the neighborhood of the park.

We had one spotting of a pig trail on the Christoffel Mountain, but regular patrols have not showed any more activity.

Cat research
Domestic cats (Felis catus) are a non-native predator and can have disastrous effects on endangered species. Therefore a study was done by students from the Wageningen University in The Netherlands, Miss. Claudia Schoester and Miss Ellen van Weeghel.

To get reliable information about the impact of cats on local fauna, the diet and certain biological aspects, such as habitus and body condition, urine analysis, dental analysis and the analysis of some of the internal organs of the cats living in the Christoffelpark of Curacao were studied.

The results can be read in the corresponding report (see list of publication).

\textit{“Pos Monton”}.\hfill Photo by M. da Costa Gomez.

\textit{“Miss Ellen van Weeghel researching a “Christoffel cat” ”}.\hfill Photo by C. Schoester.
3.1.11 Sponsors

NC-IUCN small grants programme
In the last week of June, the ‘Final Technical Report to ‘NC-IUCN Small Grants Programme’ and the ‘Financial Report to NC-IUCN Small Grants Programme’ over the third year’ was sent to IUCN Netherlands. On July 10th of this year the third and final installment of US$ 2734 from IUCN Netherlands was received. The purpose of this project was to ensure continuation of the adequate management of the terrestrial areas on Curaçao managed by CARMABI. Over a three year period (2004-2007) CARMABI received a total of US$ 24,234 which was used to pay part of the salary of the new Christoffelpark manager. We thank IUCN Netherlands and DCNA for their valuable support!

Please read chapter 12 for more information on this subject.

ING Bank
At the end of 2006 the ING Bank agreed to sponsor the Christoffelpark with an amount of Nafl. 3800 for the development and printing of new information leaflets for visitors of the park. They also agreed to sponsor us with an amount of Nafl. 2500 a year, starting in 2007 for the maintenance of several projects in the park.
The leaflets passed through several design changes during 2007 and were finally finished in December. They will be printed in the beginning of 2008.

Ofelgo di Caribe
Local electrical installation, maintenance, and measurements expert, Ofelgo di Caribe, also supported the Christoffelpark by financing the production of five brand new picnic tables. These will be used at several picnic spots in the park.

Curaçao Utilities Company
One of the family friendly projects we will be working on in the Christoffelpark is a playground. Plans are to construct a playground that consists of several adventurous tracks to entertain the children coming to the park. The Curaçao Utilities Company (CUC) gave us a head start by sponsoring several sections of steel pipe that can serve as body-high sections for the kids to run and hide in while playing. CUC also sponsored the transportation of the pipes to the park where they are now waiting for their final placement.

Banco di Caribe
A major sponsor for the new playground is Banco di Caribe. Take a look at chapter 12.1 for more information on the subject.

3.1.12 Services and new products

Annual membership Christoffelpark
A new Christoffelpark annual membership program for locals was introduced at the end of 2007. Citizens of the island can apply for
membership by paying Nafl. 45 a person for adults and Nafl. 25 for children between 6 and 12 years old. Members receive a membership card with personal details, which gives them possibility to visit the park without additional costs. In this try-out version there are no discounts on special activities.

*Service quality control in Christoffelpark*
A client survey was done in the months of September and October in the park to test the service quality of the park among our visitors. Mr. Evert Prins, an intern from the HAS Den Bosch designed the survey together with the management of the park. The main themes of the survey were activities, facilities and the provision of information.

A total of 70 visitors were surveyed and some interesting results came out. First of all the overall impression of the park was considered as good, with enough activities to fill an entire day. All though the variety of activities was not always clear enough to the visitors, the people who did know about these activities, like the pickup safari, enjoyed these immensely and found this extra effort worthwhile.

The reason many people did not know about the variety of activities in the park was due to a lack of clear-cut information. When the front desk gives information about the park, the activities are lost in the amount of information given. However, the front desk scored high during the survey in terms of consumer orientation and provision of information. The amount of information given in the park itself concerning the history of the area and the flora and fauna that can be seen, was not sufficient according to the visitors. They expected more signs with information about sites of interest and flyers and brochures about the flora and fauna in the park.

One of the critical observations was about the expectations visitors have before coming to the park. Many people saw advertisements, articles and pictures of the park including fauna like the rare White-tailed deer. The expectations of spotting these animals on their own were very high and people were disappointed when after a full day visit, they could not report a single spotting of these animals. Although striking elements of flora and fauna are often used in the marketing of wildlife reserves, it can create false expectations and hence disappointment among visitors. When talking with the hosts in the park, the false expectations can be easily corrected by explaining the ecology of the species used in advertisements and other marketing efforts, but not all visitors come in contact with these hosts. The rare species can also be reliably sighted during guided tours, which are available. Disappointment can lead to negative publicity so it is very important to be aware of these dangers.
3.1.13 DCNA Management Success
In February of last year we sat with representatives of the Dutch Caribbean Nature Alliance (DCNA), to analyze the management success of the Christoffelpark according to certain key criteria. The report, which came out of this analysis assists in the daily management of the park, and the identification of strong and weak points in the organization. The goal is to have these sessions once every year to compare the success of newly implemented management tools and the need for changes.

3.1.14 IUCN
The IUCN supported the Christoffelpark financially in 2006 by giving a contribution to the salary of the manager of the park. This was achieved thanks to the efforts of DCNA.

3.1.15 Interns
Interns can have enormously positive impacts on the work flow. However we have never before tried to work on a structural interns program. Most of the times students contact us privately to look for internships in the organization. However since October 2007 we have an agreement with Wereldstage (an internship coordinating organization on the island) to send students regularly to assist us in a wide area of assignments.

The same intern who conducted the client survey, from the HAS Den Bosch made an activities database with all the details and prewritten press releases to support the coordination of the activities. This was done to make the marketing and organization of activities easier.

In November we started working with a student from Hogeschool Utrecht, through Wereldstage, who assisted us in the set up of the new marketing plan for the Christoffelpark. This will be concluded in 2008.

We hope to continue having students assist in the activities and events department of the park as well as in the PR and marketing department so as to fortify our efforts and guarantee our success in these areas.

3.2 Kabouterbos
Cyrill Kooistra, formerly manager of the Kabouterbos, transferred to the Christoffelpark at the end of 2006 and started working as coordinator of activities and events and assistant manager in the park. This decision was taken about the same time that the subsidy cut forced us to eliminate the educational program for the first cycle of the Foundation Based Education in the Kabouterbos.

Mark Fraites, volunteer for some years already, started taking more and more work on to maintain the Kabouterbos and organize parties for children and other activities.

Mark made sure that the Kabouterbos stayed clean as much as possible, maintained trails, was a...
In 2007 we started improving the quality of our management of this conservation area. Three reports were produced with three different goals:

1) *Daaibooi management report of the first 6 months of 2007*. An overview of the management activities, which were executed in the area up till the beginning of September 2007 were given in the first report. Besides the educational activities in the area, other activities were executed such as: negotiations and formulation of a contract with the current exploiter of the snack bar, negotiations with interested parties about new projects in the area, and some major repairs to the facilities. Furthermore the government gave permission to UTS to place a repeater in the area.

A student from the Social-Economic Faculty of the University of the Netherlands Antilles will be executing a questionnaire to inventorize de current services and products as well as future products.;

2) *Management framework for sustainable exploitation and management of the conservation area of Daaibooi*. The second report summarized the costs of exploitation of the Daaibooi area, in which the necessity to find new ways of exploitation, construction of a manager’s lodging and installation of electrical infrastructure;

3) *Product enhancement Daaibooi with focus on sustainable exploitation a short term and medium term vision*. The third report mentions possible new exploitation strategies, which have to lead to sustainable finances for the area. A budget for every new activity is included.

3.4 Shete Boka

Up till February 2007, Carmabi personnel managed the area of this park. As of February 1st, a contract was signed with Mr. Frederik Winkel, former manager of the Christoffelpark for exploitation of, and specific management tasks for the area. Carmabi remains in charge of other management tasks like the general maintenance, and is the official management authority for the area.

3.4.1 Group of volunteers active for beach monitoring of nesting activities of sea turtles

A group of volunteers has been visiting the sea turtle nesting beaches in the Shete Boka area in the early mornings in the period from July 22 to mid December. Traces of turtles visits were found on certain beaches.

We would like to thank the following group of
volunteers for their efforts and contribution to the protection of the sea turtles: Barbara Leigh, Rudi and Tine Valter, David Forrester, Thierry and Pascale Jansegers, Jan Burgers, Jeanine Getrouw and Ronald Rouse!

3.4.2 Chairman of TurtugaAruba visits Shete Boka
Mrs. Edith van der Wal, chairman of the sea turtle club of Aruba visited Curaçao on September 28 and 29. Mrs. Edith van der Wal is also country coordinator of WIDECAST for Aruba together with her husband Richard. She gave a presentation on the 28th for the volunteer group in which she talked about her work with sea turtles on Aruba, where the leatherback turtle is a frequent guest on the long sandy beaches of the island. On the 29th she visited the beaches of Shete Boka and other beaches in the area together with group of volunteers and Mr. John de Freitas, coordinator of the Shete Boka sea turtle project. We would like to thank Edith for her voluntary support of our projects.

3.4.3 Research in cooperation with UNA
Together with a student of the Social-Economic Faculty of the UNA (Miss Helianthe Janssen Steenberg) a marketing study was developed by designing two questionnaires for tourists and tour operators who visit the Shete Boka area.
In September 2007, Drs. Maureen Kuenen started out as a part-time coordinator for the Curaçao Marine Park Visitor’s Center. Several initiatives were started up in the period of September-December of which many will be concluded in 2008. There were also several sponsors for different projects.

### 4.1 Sponsors

#### 4.1.1. Mooring buoys by DVB Bank

Mooring buoys are very important to avoid mechanical damage to the coral reef caused by boat anchors. During the last few years the mooring system was not kept in the most adequate condition. With this financial injection we are able to reinstate this important protective measure. An important measure before deployment is marking the buoys. Several marking methods were collected and analyzed. In the beginning of 2008 the buoys will be marked and deployed.

With the rebuilding of the management structure of the Curaçao Marine Park it is important to reestablish the basic infrastructure in the Marine Park. The DVB Bank America N.V., represented by mr. Bote de Vries, sponsored 30 new mooring buoys for the different dive sites in the Marine Park. These were officially handed over in November 2007. With their more than generous donation of Nafl. 9750 the mooring buoys can be purchased and deployed. This will be done in the beginning of 2008.

#### 4.1.2 Stichting Sinkuentenario ABN AMRO Trust

The Stichting Sinkuentenario ABN AMRO Trust (a foundation), sponsored the CARMABI foundation with a fantastic amount of Nafl. 25.000 in August. With this sponsoring CARMABI will be able to upgrade the laboratory facilities, develop study and lesson rooms and of course provide basic support for the Curaçao Marine Park Visitor Center. Thanks to this we will make an effective start to transfer knowledge about coral reefs to the public through different methods. With the new equipment we can purchase, we will be able to sustain several research projects by visiting scientists, work that is important to increase our understanding about our sea’s ecosystems.

#### 4.1.3. CARMABI Clear Water Challenge 2007

For more information about the Challenge please take a look at chapter 10.
4.2 New logo Curaçao Marine Parks

The new logo for the Curaçao Marine Park was designed together with artist Tanja Esveld, and STATUS reclame studio. The goal of the design is to make clear that it is all about the tropical reef, without it being too abstract and consequently vague to visitors. It had to be fit for all age categories, be educational and scientific, for the young, adult and contemporary. The chosen fish in the design will also be representing the “smart fish” of the Marine Park. It will play a role in the souvenirs line Tanja Esveld is developing for the Visitor Center to generate additional income.

4.3 Visiting Scientist & student application procedures

CARMABI receives many visiting scientists and students every year. Most of them use our facilities for their research and projects, and the demands for more infrastructure is increasing. However the procedures for the provisioning of boats, diving buddies, rooms, working areas with internet etc. was not properly organized. In the last months of 2007 we started with a total reorganization of the application procedures for students and visiting scientists to use facilities and infrastructure of CARMABI. These new procedures will be implemented in 2008.

4.4 Presentations and talks

4.4.1 Presentation for Stichting Sinkuentenario

During the two speeches held several items were presented to a delegate from both the First Caribbean International Bank and Equity Trust, both represented in the Stichting Sinkuentenario. Mr. Debrot talked about the “New” Carmabi and its goals after which Mrs. Kuenen talked about the importance of the Marine Park for the reefs of Curaçao and the important role the Visitor Center plays in it. About 20 persons and several members of the press attended.

4.4.2 Presentation for Wederfoort Dive school

During this presentation, extensive information was given to the 26 people present about the Visitor Center and its future plans. The public was invited to discussions during this interactive session and it concluded with the donation of Nafl.150 guilders to support the Visitor Center.
4.5 Other points of attention

- Initial set-up of the Marine Park Visitor Center with activity room (finished and fully operational in February 2008).
- Start of reorganization of the laboratory facilities (finished in 2008).
- Organizing assistance by volunteer and interns in January/February 2008.
- Initial contacts with organizations of the sector like dive operators, governmental entities.
- Assisting with CARMABI Clear Water Challenge 2007 (see chapter 10).
- Assisting several research projects by visiting scientists and students.
- Preparing for the “Marine Life Behavior” course, given by Rahnor Gillette of the University of Illinois.
- Reef clean up in December in collaboration with Hook’s Diving and the US F.O.L. (forward operating location).
During 2007 two essential milestones have been reached towards a full museum implementation in December 2009. In May a contract was signed with Atelier Argos for the preparation of the museum implementation and layout plan. This plan will provide the “philosophy” behind the museum as well as the lay-out of all historical and (audio)visual elements. René Wissink, who also acts as the “permanent” designing creative partner of Felix de Rooy, owns atelier Argos in the Netherlands. Felix, an artist who is certainly not unknown within the local community and whose roots are strongly anchored in Curaçaoan soil, took on the project with enthusiasm. The current and future co-operation will, without a doubt, be superbly fruitful.
Within 3 months after the contract was signed, impressive conceptual layout-drawings were produced. These drawing were essential to allow Techcon (the firm contracted for the architectural matters and future coordination of the restoration process) to finish all their architectural and technical drawings. And before years end, they indeed provided a fantastic set of super-detailed drawings of the plantations complex, including all the historical structures found in the fields surrounding the plantation house.
On the basis of these drawings a process was initiated to attract a professional contractor. If everything goes according to plan, around mid February 2008 the green light will be given to the chosen one. Work on the implementation plan is moving along nicely.

Apart from the contract with the team de Rooy / Wissink we were happily surprised by the pro bono co-operation of Mr. Stephan van Raay (the director of the Pallant House gallery in England which is also the 2007 winner of the most prestigious English museum prize). He provided invaluable advice on how to structure a museum and keep it “alive” and interesting. He especially showed the need for total devotion of Carmabi to this project, and not only after the completion of the implementation, but especially during the process. Based on his know-how the decision was made to put Léon Pors, in charge of coordinating the process, on a semi-full time basis.
5.3 Historical research

Because of the fact that a simple display of the available artifacts and historical furniture would not illustrate the life on a plantation in former times sufficiently well, the museum implementation will especially focus on the use of audio-visual elements to tell the story. In order to be as historically accurate as possible, Ms. Ronny de Haas was contracted in March and again in September to dive into historical archives, scientific works and old books with as aim to produce an inventory of relevant information. She is scheduled to produce 13 fat file folders around February 2008.

Information on the lives of the working class is generally not found within archives, and for this Ms. Helma Maduro and Ms. Dr. Rose-Mary Allen were contracted in October to investigate and record “oral history”. Already several Savonet elders have been recorded on video; their tales and memories will be used within the museum as a window to the past.
With its environmental education program, CARMABI strives to make school children and adults aware of nature, as well as its values and the need for its protection and management. In this way they are prepared to actively participate and promote sustainable development with its focus on the relationship between humans, nature and environment.

6.1 Target groups
- Students in the age range of 4-18 years (school related)
- Teachers
- Parents
- Adults
- The youth in general

6.2 Educational program reduced
The huge subsidy cut by the local government caused CARMABI serious financial trouble. Although the subsidy for the educational department is still intact, the situation had serious consequences for the execution of the several educational programs. This is because before the subsidy cut, the scientific section of the institute carried various running costs for the programs. Since this subsidy was stopped, these running costs, like costs for administration, office space and PR were not covered anymore. Therefore, we had to decide to stop some of the educational programs. We specifically decided to stop the complete program for FO1 (kindergarten and first 2 years of elementary school) which was always executed in the Kabouterbos, we also had to reduce the production of educational materials for schools, and to reduce the frequency we assist school children with projects and presentations. On the other hand we stepped up efforts to look for alternative funding to reach our goals. For more information about this please read chapter 12 about sponsoring.

6.3 Personnel changes
At the beginning of 2007 the educational officer was transferred to be manager of the Christoffelpark leaving only the head of the department as a full time employee of the department. Several volunteers left the department. Miss. Lara de Jonge left in January and Mrs. Sharline Jamanika left in August. Both ladies found another job. Mrs. Yvette Albertus left in May because of health problems.
6.4 Inscriptions

For the third school year in a row we chose to personally visit every school on the island for the inscriptions to our environmental program. During these visits, information about the different projects was given to teachers/directors of the schools together with a schedule and materials as needed. A letter with specific details about excursions, including dates and organizational details, was part of the package.

6.5 Programs and projects

6.5.1 Foundation Based Education (former kindergarten, 1st and 2nd grades of elementary school)

The activity to the Kabouterbos, which was always free for FO1 now had to paid for by the schools. Few of them had the budget for this and many cancelled their reservations. The number of children in this program hence diminished drastically.

Some schools opted instead for a reptile-themed school visit by one of our semi-volunteers or the new structural program called “Domestic Animals and Care” which is presented together with the Animal Protection Foundation. This project was piloted in school year 2005-2006.

6.5.2 4th and 5th grade of elementary school

There was a slight increase in visits to the Christoffelpark in school year 2006-2007. Classes were a little bigger and many of the classes that could not participate in the program in the year before, now did participate.

6.5.3 6th grade of elementary school

Although the Shete Boka program was cancelled from our free programs, two school still wanted to visit the area and paid for these excursions. Because of the labor-intensiveness of the Daaibooi program, in which one class is divided in two smaller groups with an individual guide for both, only 35 classes could participate.

6.5.4 Secondary school

In 2006-2007 we did not invite secondary schools to participate in our programs. The reason behind this decision was the fact that the educational officer was transferred to the Christoffelpark and the work load on the head of the department was intensified. There was simply no time nor budget available to handle the secondary school programs.
6.6 Other activities

6.6.1 Joint publication FMS

In November we received an enthusiastic call from our friends at the Fundashon Material Pa Skol (the foundation responsible for the preparation of new teaching materials for the educational system on the island). After a period of about two years they finally succeeded to locate funds to print an idea Carmabi’s educational department came up with in the past. A very nice little book on ‘scary creatures’ (Bestia ku duna rel) has been completed to be officially offered to the schools in March 2008! To top it off, FMS is positive that funds will be located to print another idea, which has been dormant for about the same amount of time: a book on local animals and their homes. The project will be even broader, because currently work is being undertaken to produce audio-books on CD as part of the educational package.

A very nice example of inter-institutional cooperation which we will pursue further in the years to come.

6.6.2 Oranjefonds sponsors educational project

2007 started with a terrific bang when the Oranje Casino from Holland donated an amount of 50,935 guilders to the Animal Protection Foundation on the island. This money is for different projects that this foundation develops and produces to spread awareness in the community with regards to the well-being of animals on the island.

In 2006 the Educational Department of CARMABI developed a school project called “Domestic Animals and Care” in which there are lesson-boxes full of materials that teachers can use in the first grades of the Foundation Based Education system, as well as school visits bringing along domestic animals like dogs and rabbits. The Oranje Casino is making the execution of this project possible. Their donation covered the implementation of this project at 25 schools, which means that a total of 60 classes should been reached in 2007. We did not reach this goal however and plan to include more schools in 2008.

6.6.3 Frater Arnoldo’s photos

In 2006 we were honored to receive a visit by Frater Jan Koppens, of the catholic monastery “Generalaat of the Fraters” at Tilburg. He came to offer us a wonderful gift! A lot of photographic material shot by Frater Arnoldo was stored within the archives of his organization. Frater Maria Arnoldo (23 april 1906 – 9 mei 1981), whose worldly name was Adrianus Nicolaas Broeders,
wrote several educational books about the flora and fauna of the leeward Dutch islands and was well known because of his love for nature. Frater Koppens was of the opinion that Frater Arnoldo’s work should finally come home. The photo’s, wonderful black and white shots of everything imaginable that local nature has to offer, arrived in March. Much of his material will be incorporated in the new Savonet Open Air Museum.

6.6.4 Banco di Caribe
Banco di Caribe sponsored information leaflets and the Kabouterbos program. Take a look at chapter 12.1 for more information. We started working on theses infosheets that are sponsored by Banco di Caribe in October. They will be finished in March 2008.

6.6.5 Sea turtle theme box
The sea turtle theme box was completely reviewed in 2007 to complement the educational goals of the foundation-based education methods. The box will be finished in 2008.

“Local spider, species unknown”. Photo by Frater Arnoldo.
C7 PR & Marketing

7.1 Press releases

<table>
<thead>
<tr>
<th>Type of press release</th>
<th>Number in Dutch</th>
<th>Number in Papiamentu</th>
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<td>Christoffelpark activities:</td>
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<td>7</td>
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<tr>
<td>Christoffelpark other:</td>
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<tr>
<td>Invitations to the press</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>23 Dutch</strong></td>
<td><strong>23 Papiamentu</strong></td>
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7.2 Website www.carmabi.org

Since the beginning of April, the CARMABI website www.carmabi.org has been completely redone in English except for the Educational pages which are still in Dutch and Papiamentu so as to suit local schools and teachers. We checked the contents thoroughly and changed and rearranged quite a lot of the information to make access easier for all interested parties. Visiting scientists will find all the information for their stay at the institute and possible use CARMABI equipment for their research, including information about past CARMABI publications and possible support by CARMABI personnel. There is also ample information about the different courses and workshops we organize for different focal groups. Visitors to the island who want to know about nature both in the sea and on land will find interesting details on the local ecology and details of the Christoffelpark and Shete Boka Park, the biggest nature parks on the island. The Curaçao Marine Park is also featured with information about the different dive locations and the applicable rules and regulations. Several activities that can be done by visitors in the nature parks are featured with possibilities for on line reservations.

7.3 Mailinglist

Our mailing list is an important tool in the marketing of our products and services. The list now consists of about 450 different email addresses of individuals and companies and keeps growing every day.

“Advertisement in the Big Red restaurant Guide”.
7.4 Advertising
Advertising is expensive. Therefore it is critical to carefully select the types of advertisements and where they are placed. In 2007 we opted to advertise (again) in the Big Red Restaurant Guide and in the Curaçao Road Map. We also advertised selected activities in the Christoffelpark in newspapers.

7.5 www.liveincuracao.com
Since July 2007, all our major activities in the Christoffelpark and all other publications by CARMABI, like the newsletters, are published on the website www.liveincuracao.com. CARMABI has a direct link on the front page of this web page which directs visitors to the list of activities and publications.

7.6 Newsletters
In 2003 the educational department of CARMABI started writing regular newsletters to inform all interested persons about the work that was being done in environmental education. During the years that newsletter had been published it slowly started including issues that had to do with the broader work of CARMABI and which was not strictly related to education. The demand for information about the other sections of the institute grew and at the beginning of 2007 we decided to give the newsletter a complete make-over to cover all the different areas in the organization.

The CARMABI newsletter was renamed Biná, the Papiamentu name for the endemic White tailed Deer, which roam the scrublands of our island. A charming animal which speaks to the imagination of many people and illustrates the uniqueness of our nature.

The Biná was published four times in 2007.

7.7 Challenge
The Carmabi Clear Water Challenge 2007 was a very big event which needed quiet a lot of supporting materials. These were developed by the PR and marketing department and supporting services. These materials and services included:

- flyer design and layout with basic information about the Challenge, its purpose and goals in Dutch and English;
- Ad/poster about the Challenge in Dutch, English and Papiamentu;
- Poster for the drawing competition in Dutch, English and Papiamentu;
- Website adjustments;
- Emails to mailing list;
- Design of tickets fundraising party;
- Design of advertisement fundraising party;

"The last newsletter of 2007".
- Information for Ñapa Article;
- Information for Antilliaans Dagblad diary of the Challenge by Ryan de Jongh;
- Information to include in newsletter Sound & Vision;
- Full two-page article Antilliaans Dagblad about the Marine Park and Visitor Center in Dutch;
- Digital updates to mailing lists in English;
- Full two-page articles in the Antilliaans Dagblad about the Challenge on November 17th;
- Full two-page article in Antilliaans Dagblad about the Challenge on November 19th;
- Design and publication of sponsor advertisements in both the Amigoe and the Extra.

7.8 Badges & uniforms

The T-shirts used as the uniform for the parkrangers and other park personnel were ordered again in 2007. To make CARMABI and Christoffelpark personnel identifiable for visitors all personnel was given a CARMABI ID badge. Several visitors pointed out that the badges made it easier to approach park personnel and ask questions. The CARMABI board also received badges.

7.9 Apparel catalogue

CARMABI ordered an apparel collection with the Carmabi logo and other features for the Christoffelpark shop and the CARMABI headquarters. The collection featured t-shirts for ladies and men, unisex t-shirts, shorts, caps and bags. To promote the collection an apparel catalogue was developed. Mrs. Emily Henrietta and Mr. Adrion Pisas modeled the collection, and the pictures taken during this session were included in the catalogue which is being used in the Christoffelpark and at the CARMABI headquarters.

7.10 Posters and ad’s

Several posters and ad’s were designed and produced to market several activities and products of CARMABI. These were distributed in hard copy and to our mailing list.

Regular activities Christoffelpark:
Ad’s and Posters in English for the Deer Spotting Sunset Tour, the Pickup Safari, the Savonet History Tour and the Mountain Climb with guide.

Special activities Christoffelpark: 7 ad’s in Dutch and Papiamentu
Adopt a Tree Program: 1 ad in Dutch, English and Papiamentu
Workshops and academic program: Ad’s and posters in English for summer workshops

Activities CARMABI: 3 ad’s and posters in Dutch and English for lectures
Press invitations: 3 invitations in Dutch

7.11 Flyers and leaflets
As of March 2007 the regular Christoffelpark leaflets are being distributed weekly to all the large hotels on the island, and the CTB main office and Tourism booth in Punda. To amplify the information provided in these leaflets, a flyer was developed which included several activities in the Park. This flyer is inserted in the Christoffelpark leaflet and as such distributed to all the above-mentioned locations.

As of November 2007, we regularly visit all the large car rental companies on the island to include the Christoffelpark leaflet and a special full color activities flyer, developed in October, in all the rented cars on the island.

7.12 Stands
Christoffelpark and CARMABI were present with a stand, during three events in 2007,
1. Feria di Spar Girobank in August at the local zoo, with information about CARMABI and Christoffelpark, activities, an iguana presentation and video presentations.
2. Animal Husbandry and Agriculture event at Rustenburgh in June, with information about CARMABI and Christoffelpark, activities and an iguana presentation.
3. Tourism Open Trade in September. Due to last minute changes in the schedule the Carmabi crew had to depart before the Trade started.

7.13 Links and other web related activities
Two links to our www.carmabi.org website were placed at www.vakantie-curaçao.nl and www.curaçao-actief.com.

Christoffelpark is featured on several international vacation websites. Often, though, the information is old and information about activities and prices is out-dated.

A thorough analysis was made in September and October of all the websites that Christoffelpark is featured on and we inventoried the available information and identified the things that need to be changed. We started out with contacting the webmaster of www.vakantie-curaçao.nl after which the information was immediately changed online. We now have an active reservation link to our email where potential visitors to the park can mail questions and make reservations for activities in the park.
7.14 Other activities

We wrote an article about the Christoffelpark and the various hiking trails for the local tourist publication XpEdition Paradise Curaçao, which was split in two editions, 2nd year, 7th edition June 2007 and 2nd year, 8th edition summer 2007.
Mr. Stanley Criens, the head librarian of CARMABI, started helping as coordinator of the Technical Department in August 2007.

He continued working on the several catalogues in the library in 2007 (Dissertation Catalogue; Msc. Thesis catalogue; Reports collection Carmabi and Scientific papers Carmabi).

The search for digital publications relating to nature sciences on the Netherlands Antilles continued.

Due to the subsidy cut all subscriptions to scientific journals were discontinued.
C9  Administration

Upgrading administrative capacity
A properly functioning administration is vital to any organization. To this end several measures have been taken in 2007. Purchases were made of a new laptop and scanner for the administration. New Exact Globe software was purchased and our administrator miss Roosje received two days of training in its use. Janie de Windt was taken into temporary service as an administrative assistant to help reduce some of the administrative backlog. She worked till the end of November.
10.1 Laboratory facilities

Several rooms at Carmabi form part of the laboratory. These include the so-called Dry Lab, Wet Lab, the Glass Depot, the Chemical Depot and the Lab Working Room. In September 2007 we started reorganizing and upgrading all these rooms.

**Dry Lab**

All materials made of glass and plastics, and electronic equipment have been cleaned. A larger part of these materials is now stored in the container we obtained especially for this purpose. All glass materials from the glass depot are also stored in here. Only equipment and materials for daily use are stored in the dry lab. We cleaned further the entire dry lab thoroughly. In 2008 we will start renovating this area and include new lab furniture.

**Wet Lab**

The entire wet lab was thoroughly cleaned. The 18 aquaria are now more secure on the renovated racks. Complete renovation of the wet lab will take place in 2008.

**Glass Depot**

A large amount of glass and plastic materials and (electronic) equipment used in the lab had been stored in the glass depot in the past. All cabinets, racks and materials in this depot were transferred to the new container. In 2008 we will inventorize all materials and equipment and make the information easily accessible in a digital database. The former Glass Depot has been refurbished as a working room for students with air conditioning and a wireless internet connection.

**Chemical Depot**

All available chemicals in this depot were inventorized and all data was inserted in an digital database. It is very easy now to search for available chemicals in this database.

**Lab Working Room**

This room was previously completely jammed with equipment. All this equipment is now stored in the storage container, and the entire room was renovated. This included placing new working benches, new floor-covering, electrical wiring, lights and new iron bars in front of the windows to prevent burglary. The entire room was painted and new furniture placed such that the room can now be used for research.

10.2 Upgrading dorms

After years of intensive use, it had become time to upgrade the dorm and lodging facilities of Carmabi to a higher standard, and also to offer more lodging space to visiting scientists and students. In the last three months of 2007 much construction noise could be heard on the CARMABI premises. At the end of December, the dorms were almost finished.

Now a total of 26 persons can stay in the CARMABI rooms with acceptable comfort. Most of the rooms can host 2-4 persons.
11.1 Total awareness weekend

On the 17th and 18th of November 2007, Ryan de Jongh, well known to us from the TV program Caribe Awe of Tele 11, attempted and succeeded in his unique feat to kayak around the island in 2 days. With his kayak he departed from the Governor’s palace in the Annabaai and took 34 hours to paddle around Curaçao.

Ryan departed on the 17th of November around 03.00 hrs A.M. from Annabaai. The route encompassed about 150 km’s. Underway he paused for medical checkups and rest at Playa Kalki at 19.30. After that he started moving very fast in the direction of the St. Annabay and arrived far ahead of his scheduled arriving time at about 12.45 PM on Sunday. Big crowds were awaiting his arrival in front of the governor’s palace, on the pontoon bridge and at the Otrabanda side.

Ryan dedicated his feat to collect funds in support of the nature conservation activities of the Curaçao Marine Park. The proceeds of the event amounted to Nafl. 106,184 and will be dedicated to the set up of a Visitor Center for the Curaçao Marine Park.

During his ordeal he was supported by the Carmabi Challenge team consisting of Mrs. Karin van Batenburg (coordinator), Petra Spelter, Fleur Wormgoor, Curd Evertsz, and CARMABI personnel Dolfi Debrot, Leon Pors, Michelle da Costa Gomez, Ella Roosje and Emily Henrietta.

His goal with the event was to motivate people to act in the interest of our nature; so that this can remain preserved for future generations. Ryan hoped to stimulate the awareness amongst the youth of Curaçao “that everything in life is possible as long as you want to achieve it and make the necessary efforts”. He surely succeeded in doing just that.

11.2 Sponsors

Hundreds of people sponsored the CARMABI Clear Water Challenge. For a complete list please take a look at appendix 6.

In a separate project the Prins Bernhard Cultuurfonds of the Netherlands Antilles sponsored the effort with the amount of 10,000 guilders to help the planification of the visitor center at CARMABI.
12.1 The Green Team

Triggered by the Clear Water Challenge 2007, commissioner Eugène Rhuggenaath (economic affairs & tourism) installed a committee with the task to supply the government with advice on how to manage the natural resources of the Island in the most responsible way. Mr. Ryan de Jongh was appointed as the “godfather” to this committee. Other appointed members are the Curaçao Tourism Bureau (CTB – chairman), the agricultural and fisheries department (LVV - secretary), the legal department (AJZ), the urban planning department (DROV), Foundation Amigu de Tera (Friends of the Earth), Foundation Uniek Curaçao and Carmabi. The first meeting is scheduled for January 2008. It is expected that this committee will act as a motivator to kick-start several initiatives that have been moribund for years, such as the formal implementation of a nature policy plan, and improved natural resource management legislation.

12.2 Island Ordinance Marine Nature Management and Protection

In 1995 the plan ‘Curaçao Marine Management Zone – a plan for sustainable use of Curaçao’s reef resources’ was drafted, under auspices of the Curaçao Tourism Board and funded by the European Union. This plan clearly indicated the need for adequate marine protection legislation to replace the outdated Reef Management Ordinance of 1979. The first concept of such legislation was already on the table in 1996, as the result of informal work by several entities, guided by the legal department. After that, over the years a multitude of committees were installed and dissolved in an effort to fine-tune this legislation, without any concrete results. Therefore, last year Carmabi requested the government to simplify the ‘chain of command’, and formally appoint the Legal Department (AJZ) as the official ‘editor’, with the added task to just listen to what all the user groups and related entities have to say and incorporate their comments, if applicable. The AJZ, to our pleasant surprise, officially turned most of this job over to us, so together with them we are finally in the position to finalize the process for formal submission in April 2008! It seems that all flags are waving in the same direction, especially after the Clear Water Challenge, so if all works out well, 2008 will become the historical year of the official installation of the Curaçao Marine Park! An achievement for the whole island to be proud of and befitting the designation of 2008 as International Year of the Reef.
C13 Fundraising

Sponsors are fundamental to the implementation of several new projects and the maintenance of structures in, for example, the Christoffelpark. In the past we did not actively search for sponsors and did not reach any results. Therefore, we decided to start actively approaching sponsors.

DCNA support for 3 years to Carmabi through the NC-IUCN small grants programme
Please read chapter 3.1.11 for more information.

ING Bank
Nafl. 3800 for the development and printing of new information leaflets for visitors of the park. And Nafl. 2500 a year, starting in 2007 for the maintenance of several projects in the park.

MCB bank sponsors camera equipment
One of the first positive results of our new sponsoring approach was the sponsoring of camera equipment for Carmabi. We produce all kinds of documents and materials in which high quality nature photos are indispensable. For example presentations, books, our website, brochures, leaflets, educational materials for schools, posters, postcards. High quality digital camera equipment is therefore essential to us.

The MCB bank was one of the first sponsors for this year for a total amount of Nafl. 5500.

Ofelgo di Caribe sponsors picnic tables
For more information please read chapter 3.1.11.

Public Prosecutors Office
The Public Prosecutors Office, with assistance from the Coast Guard invited us to take a look at a vessel that was confiscated by the latter. After our letter went out to the Public Prosecutors office requesting to be appointed the legal guardian of the boat, we were almost instantly granted this right. Some restoration work and fine-tuning is in store for the coming year.

Curacao Utilities Company
For more information please take a look at chapter 3.1.11.

Residence van Batenburg
Residence van Batenburg donated Nafl. 2000 for general purposes in January 2007. This donation will contribute to all the efforts taken by Carmabi to reproduce rare native trees and plants and their (re)placement in natural areas. The infrastructure to support the nursery can be maintained and several new plants were “acquired” for the project, thanks to this generous support.

Curaçao Rennaissance
Several rooms on the ground floor of the Carmabi building will be transformed into the new Visitor Center. In preparation, the rooms were completely emptied of all stuff that had been collected over the last 50 years. All the items worth keeping are now stored in a 40-foot long storage container that was sponsored by the Curaçao Rennaissance.

Curaçao Foods Trade
Curaçao Foods Trade contributed to the work of CARMABI by sponsoring Nafl.1500 for mailing, print and postage costs.

Notariskantoor Eshuis
Notariskantoor Eshuis sponsored Nafl. 1000 for general purposes last March. This contribution is used to support several projects.

SEPM midland Texas-
US$ 500 for general purposes.

De Paus Vesseur -
Nafl.100 for general purposes.

Notariskantoor Burgers -
Nafl.100 for general purposes.

WOW wash on wheels -
Nafl.175 discount on high worker.

SUSER NV. –
Discount on crane works.

Fire Department –
Free assistance with trimming trees.

Adopt a tree
T. and D. Rijkers: 3
Maria Muller: 1
W. Vogels of the Lions Dive Hotel: 9
L. and A. Meijnssen: 2
H. Braadt: 1
J. de Boer: 1
Elisabeth Stichting: 15
Percy Henriquez Fonds: 26
S.E.L. Maduro & Sons
The S.E.L. Maduro & Sons (Curaçao) N.V. represented by mr. Hugo Meyer is the sole sponsor of Carmabi’s new lecture room for the Visitors Center on the first floor. The company generously donated Nafl. 6,938.25 for the entire project.
In the whole process of change that Carmabi has been in since August 2006, one thing was always obvious: we were in need of a multifunctional room suitable for meetings, courses, workshops and presentations.
Thanks to the sponsoring of S.E.L. Maduro & Sons (Curaçao) NV we were able to furnish the room and prepare it for its multifunction use.

HICC Office Furniture
HICC Office Furniture gave us a generous discount of Nafl. 1125 on the chairs that we bought from them for the lecture room.

DVB Bank America N.V.
Nafl. 9750 for mooring buoys for the Curaçao Marine Park. For more information please read chapter 4.1.

Stichting Sinkuentenario ABN AMRO Trust
Nafl. 25,000 for the Marine Park Visitor Center. For more information read chapter 4.1.

Banco di Caribe sponsors 15,000 guilders a year for three years!
Banco di Caribe will sponsor both the educational department and Christoffelpark for the coming three years with an amount of Nafl. 15,000 a year (including 2007). The first 5,000 guilders will be used for the implementation of the education program in the Kabouterbos. With the help of Banco di Caribe, 25 to 40 classes can participate in the program free of charge. The second part of the sponsoring will be used to develop 5 new educational information sheets in Dutch and Papiamentu with different themes such as: whales and dolphins, seashells on the beaches of Curaçao, the Curaçao parakeet, birds of prey and environmental contamination.
The educational department of Carmabi has a long tradition of these sheets in which we supply ample information and pictures about the themes, in a format that is easily accessible for children ages 9 and up. The information sheets, are downloadable from our website and will also be available at Banco di Caribe.
The third part of the sponsoring is destined to be used for the development of an environmental friendly playground in the Christoffelpark, to make the park more family friendly. The sponsoring of the coming two years will also be used in that order, 2/3d for education and 1/3 for the Christoffelpark.

A word of thanks to Captain’s Don Habitat Bonaire
We would like to extend a special word of thanks to the management of Captain’s Don Habitat on Bonaire (Jack Chalk and Claire Sealy) for providing free lodging the three times that the
The Carmabi institute represents more than 50 years of investment in materials, references, equipment, resources and scientific infrastructure, much of it donated. As such, it is important to protect the totality from potential natural calamities such as hurricanes. On Friday the 31st of August it had become clear that hurricane Felix (category 1 but growing rapidly in strength) was heading more or less straight to the Leeward Dutch islands and precautionary measures were called for. On Saturday, September 1st, Stanley Criens and son Rainier and Dolfi with son Ingvar spent 4 hours hammering boards, taping windows, moving valuable equipment to safe rooms and putting loose items in wind protected areas. On Friday the boats had already been moved into the sheltered Piscadera Bay and heavy tree branches that could cause structural damage to the building had been sawed down. On the morning of Sunday, September the 2nd Felix passed the island at short distance but fortunately left the island unscathed. Recent years have seen several close calls on hurricanes menacing Curacao, and in the near future Carmabi will come with measures to reduce its vulnerability to hurricane damage, including the development of a hurricane protocol.

From September the 29th to October 6, the director made a working trip to the Netherlands to rekindle old ties with various long-standing research and conservation partners, among which two universities with which Carmabi has cooperative agreements, and the NIOZ, the Netherlands Institute for Sea Research, an organization from which Carmabi received structural support for several decades in the past. A total of twelve organizations and 45 people were spoken to and in the process visits were made to The Hague, Amsterdam and Nijmegen. All organizations were given presentations on various topics of interest, including the new developments at Carmabi. Many ideas and projects were developed and discussed and will require follow-up in the coming year.

During the visit to The Netherlands, the director spent two days in the company of André Cohen Henriquez a well-known Curacaoan residing in The Netherlands, and who is well acquainted with various government and academic agencies. Carmabi is delighted that Mr. Henriquez is willing to serve as Carmabi’s ambassador and contact person in Holland. Mr. Henriquez was been briefed on various issues he might assist Carmabi with and we look forward to having him represent...
Carmabi annual report 2007

14.4 Biological observations

14.4.1 First record of a Scarlet Ibis on Curaçao

On April 27th 2007, an immature Scarlet Ibis (Eudocimus ruber) was spotted by Drs. L. Pors at the sewage treatment facility at Klein Hofje during a Birdwatching tour with the organization Fundashon Material pa Skol (FMS). Many aquatic bird species can be spotted at the facility in a relatively easy way. The University of Amsterdam officially identified the bird from a picture that was taken. This was the first official record for the species on the island of Curaçao and will be reported on by the University of Amsterdam.

14.4.2 Regular sightings of the scaly-naped pigeon

For the last two years, including several times as recently as September 2007, a number of the rare scaly-naped pigeon have been seen during the early morning hours in the tall manchineel trees at the Carmabi institute at Piscadera Bay. The scaly-naped pigeon, Columba squamosa, is locally known as the blauwduif. The bird is very rare in Curaçao but this may be gradually changing. A growing number of recent sightings by Dr. Debrot in wood lots near residential areas such as Julianadorp, De Savaan, the Kura Hulanda hotel grounds at Playa Kalki, and even one sighting each at Girouette and Seru Domi are interpreted as a positive sign heralding a gradual recovery of the species on the island. The blauwduif is a pigeon that is quite wary, especially during nesting, and depends principally on native wild berries for food. As agricultural activities have drastically decreased in recent decades (grazing and the felling of trees), woodlands around the island have been gradually recovering. Recent decades have also seen hunting for sport decline precipitously as environmental consciousness has grown. These are probably the reasons underlying the apparent comeback of this species. This is good news considering the fact that the species has already been extirpated on Aruba in the 1950s due to a combination of hunting and habitat loss due to deforestation.

14.5 “Relay cake”

On the 29th of May, Carmabi received recognition in the form of a “Relay cake” by Radio Dolfijn FM. We were nominated by Mr. Freddy Curiel. Mr. Debrot subsequently nominated Mrs. Ieteke Witteveen of NAAM for the next cake.
## Appendix I

### Visiting scientists

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Subject</th>
</tr>
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<tbody>
<tr>
<td>1. Aruodo, Maria</td>
<td>University of Porto University of Amsterdam</td>
<td>Corals</td>
</tr>
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<td>2. Backx, Benjamin</td>
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<td>3. Rolf Bak</td>
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<td>4. Boven, Jan van</td>
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<td>5. Brouwer, Johannes de</td>
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<td>6. Clarke, Raymond</td>
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<td>7. Crocker, John</td>
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<td>8. Engelen, Evan van</td>
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<td>9. Fernandez, Alejandra</td>
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<td>10. Fouke, Bruce</td>
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<td>11. Govers, Laura</td>
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<td>13. Hill, Richard</td>
<td>Michigan State University (U.S.A.)</td>
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<td>14. Bart van Heugten</td>
<td>University of Amsterdam</td>
<td>Molluscs</td>
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<td>15. Huijbers, Chantal</td>
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<td>16. Iglesias Martin, Gloria</td>
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<tr>
<td>17. Johnson, Ayana</td>
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<td>Corals</td>
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<td>18. Kerk, Madelon van de</td>
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<tr>
<td>19. Labberto, Renate</td>
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<tr>
<td>20. Lock, Robert</td>
<td>Radboud University</td>
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<tr>
<td>21. Marhaver, Kristen</td>
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<tr>
<td>22. Nagelkerken, Ivan</td>
<td>Radboud University</td>
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<td>23. Oldenburger, Jeffrey</td>
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<td>24. Oude Egbrink, Marc</td>
<td>HAS Den Bosch</td>
<td>Horticulture</td>
</tr>
<tr>
<td>25. Oude Nijhuis, Thijs</td>
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<td>26. Paddack, Michelle</td>
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<td>27. Pardijs, Wouter</td>
<td>University of Groningen</td>
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<td>28. Petit, Sophie T.</td>
<td>University of South Australia</td>
<td>Bats, cacti, succulents</td>
</tr>
<tr>
<td>29. Rossen, Nick</td>
<td>Radboud University</td>
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</tr>
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<td>Name</td>
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<tr>
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<td>--------------------------------------------------</td>
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<tr>
<td>30 Schoester, Claudia</td>
<td>University of Wageningen</td>
<td>Feral cats in Christ-offelpark</td>
</tr>
<tr>
<td>31 Sheridan, Christopher</td>
<td>Newcastle University (U.K.)</td>
<td></td>
</tr>
<tr>
<td>32 Spanings, Tom</td>
<td>Radboud University</td>
<td>Fish</td>
</tr>
<tr>
<td>33 Veltman, Nellie</td>
<td></td>
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<td>34 Vermeij, Mark</td>
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<td>Corals</td>
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<tr>
<td>35 Villegas del Carpio, Oscar</td>
<td>Universidad de Costa Rica</td>
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<td>36 Visser, Petra</td>
<td>University of Amsterdam</td>
<td>Corals</td>
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<td>37 Weeghel, Ellen van</td>
<td>University of Wageningen</td>
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</tr>
<tr>
<td>38 Weeghel, Hermina van</td>
<td></td>
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</tr>
</tbody>
</table>
Appendix II
Publications & reports


- Faber, M.J. 2007. Studies of West Indian marine molluscs 65: Marine gastropods from the ABC-islands and other localities 21: *Cylindrobullidae* and *Volvatellidae* (Gastropoda: Sacoglossa). Miscellanea Malacologica, 2,
- Flikweert, M., T.G. Prins, J.A. de Freitas & V. Nijman. 2007. Spatial variation in the diet of the Barn Owl *Tyto alba* in the Caribbean. - *Ardea*, 95 (1); p. 75-82.

- Frade, P.R. and R.P.M. 2007. - Functional diversity of *Symbiodinium* in closely related coral species with large depth distributions. Proceedings of the 32nd Meeting of the Association of Marine Laboratories of the Caribbean (AMLC), Curaçao, Netherlands Antilles, 13-17 June


Appendix II
Publications & reports


Theses

Reports

Readers
Appendix II
Publications & reports


- Carguide to Northern route, Christoffelpark route guide, Carmabi foundation, April 2007 2nd ed. - Willemstad, Curaçao : Carmabi Foundation.

- Carguide to the southern route, Christoffelpark route guide, Carmabi foundation, April 2007, 2nd ed. - Willemstad, Curaçao : Carmabi Foundation.

- Flyer Carmabi Clear Water Challenge (Dutch), Carmabi foundation, August 2007. - Willemstad, Curaçao : Carmabi Foundation.

- Flyer Carmabi Clear Water Challenge (Eng), Carmabi foundation, August 2007. - Willemstad, Curaçao : Carmabi Foundation.

- Biná, newsletter of the Carmabi Foundation 5th year no.3 (July-september 2007), oct 2007. - Willemstad, Curaçao : Carmabi Foundation.


- Poster Carmabi Clear Water Challenge (Dutch), Carmabi foundation, August 2007

- Poster Carmabi Clear Water Challenge (English), Carmabi foundation, August 2007

- Poster Carmabi Clear Water Challenge drawing competition (Dutch), Carmabi foundation, August 2007

- Poster Carmabi Clear Water Challenge drawing competition (English), Carmabi foundation, August 2007

- Poster summer workshops 2007, Carmabifoundation, May 2007

- Bestia ku ta duna rel, text and pictures by M. da Costa Gomez and L.Pors, Layout and printing Fundashon Material pa skol, 2007

<table>
<thead>
<tr>
<th>Date</th>
<th>Organisation</th>
<th>Type of advice</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 January 2007</td>
<td>Prins Bernhard CultuurFonds</td>
<td>Use of native trees along streets.</td>
</tr>
<tr>
<td>22, 24, 30 January 2007</td>
<td>STENAPA</td>
<td>Written report on vegetation research St. Eustatius.</td>
</tr>
<tr>
<td>13 February</td>
<td>Mongui Maduro Bibliotheek</td>
<td>Information on local cacti species.</td>
</tr>
<tr>
<td>23 February</td>
<td>Private</td>
<td>Curaçao Barn Owl.</td>
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<tr>
<td>27, 28 February</td>
<td>Brazilian journalist</td>
<td>Ecological information on plants and animals of the Christoffelpark.</td>
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<tr>
<td>9 March 2007</td>
<td>La Prensa</td>
<td>Information about shark sightings around Curaçao.</td>
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<tr>
<td>10 March</td>
<td>Curacao Tourist Board</td>
<td>Written information about conservation area of Lagun.</td>
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<tr>
<td>14, 15 March</td>
<td>Tourism Corporation Bonaire</td>
<td>Book with full color vegetation map sent.</td>
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<tr>
<td>18 March 2007</td>
<td>Antilliaans Dagblad</td>
<td>Information about shark sightings around Curaçao.</td>
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<tr>
<td>20 March</td>
<td>Milieudienst</td>
<td>Advice on monitoring for Aqualectra.</td>
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<tr>
<td>21 March</td>
<td>DROV</td>
<td>Written advice on development of Seru Spañó.</td>
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<tr>
<td>21 March</td>
<td>DROV</td>
<td>Guided excursion at Rif-Otrabanda.</td>
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<tr>
<td>27, 28 March</td>
<td>Private</td>
<td>Use of native tree species in landscaping.</td>
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<td>4 April</td>
<td>Fundashon Desaroyo di Rincon (Bonaire)</td>
<td>Comments on document used in the purchase of Onima.</td>
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<tr>
<td>10 April</td>
<td>Fundashon Seu</td>
<td>Information about native plants.</td>
</tr>
<tr>
<td>11 April</td>
<td>Student</td>
<td>Information about native bird species on Curaçao.</td>
</tr>
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<td>11 April</td>
<td>DROV</td>
<td>Oral advice on coastal construction,</td>
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<td>12 April</td>
<td>Radio Top FM</td>
<td>General interview.</td>
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<tr>
<td>16 April</td>
<td>Nationale Postcode Loterij/ DCNA</td>
<td>Ecological information to a group of Dutch Lottery winners.</td>
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<td>Date</td>
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<td>16 April</td>
<td>Bo Trai Merdia</td>
<td>Television program, information on reforestation.</td>
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<td>17 April</td>
<td>PROMO</td>
<td>Written support for conservation initiative Caracasbaai.</td>
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<td>17 April</td>
<td>Curaçao Active</td>
<td>Oral advice various matter.</td>
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<tr>
<td>18 April</td>
<td>Domeinbeheer</td>
<td>Written advice on properties at Piscadera Bay.</td>
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<td>18 April</td>
<td>Radio Top FM</td>
<td>General interview.</td>
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<td>23, 24 April</td>
<td>DCNA</td>
<td>Information about threatened, rare and endemic species of the Netherlands Antilles.</td>
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<td>27 April</td>
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<td>Newspaper article about the visit of the Dutch Lottery winners to the Christoffelpark.</td>
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<td>11 May</td>
<td>Prins Bernhard Cultuurfonds Nederlandse Antillen &amp; Aruba</td>
<td>Information on the Adopt-A-Tree Program of Carmabi.</td>
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<td>Fundashon ProMo</td>
<td>Information on research plan Caracasbaai.</td>
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<td>Possible services Carmabi to research natural assets of property at Bandabou.</td>
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<td>24 July</td>
<td>Elizabeth Stichting</td>
<td>Donation of 10 books [Inheemse bomen].</td>
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<td>2 August</td>
<td>Private</td>
<td>Identification of <em>Jacquemontia cumanenensis</em>.</td>
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<td>4 September</td>
<td>Stichting Uniek Curaçao</td>
<td>Preparation of application for a permit for reforestation.</td>
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<td>20 September</td>
<td>LVV</td>
<td>Underwater photo images for awareness project.</td>
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<td>3 October</td>
<td>Wereld Radio Omroep</td>
<td>Interview about endangered fauna on Curaçao.</td>
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<td>8 &amp; 12 October</td>
<td>Dr. George Thomson (UK)</td>
<td>Pictures of <em>Opuntia elatior</em> for a book on Curaçao.</td>
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<td>8 October</td>
<td>LVV</td>
<td>Determination of indigenous herb species.</td>
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<td>15 October</td>
<td>IUCN</td>
<td>Review Caribbean Programme First Draft.</td>
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<td>Stinapa-Bonaire, Captain’s Don Habitat &amp; Carmabi</td>
<td>Newspaper article on the fieldwork done on bats of Bonaire and the vegetation in the Washington-Slagbaai Park.</td>
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<td>Rotary Club</td>
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<td>Summary of natural values of natural areas of high conservation value.</td>
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<td>Installation of “Green Team”.</td>
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<td>Research Plan Ecotouristic Development Caracas Bay.</td>
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<td>Information on the use of indigenous species in coastal zone of Otrabanda.</td>
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<td>14 December</td>
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<td>AJZ</td>
<td>Meeting on implementation of “dive tag” legislation.</td>
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</tbody>
</table>
Appendix IV
Sponsors CCWC
2007

- Russel Insurance
- Oraid Hearing Instrument & co
- Wet & Wild Beach Club
- Curacao Port Authority
- Irma Insurance nv
- Stanley Brown
- Hill Ross Holding nv
- b.o.o Roan Management
- Atlas Insurance
- Cur. Tourism Dev. Bureau
- Autocity nv
- Astrid M Kwanten
- Olinda Schellings
- mw. Kooyman
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- Mirjam Jonker
- Vermaas nv
- Curd & Militza Evertsz
- E. M. Jonker
- Karin van Batenburg
- ATC corporation
- Coral Estate
- CHATA
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- Dr. J.M. Eustatia
- Artsenlab
- Farminpex nv
- Casino Awasa
- Hetty Braadt
- mr. de Boer
- Ir. H. M. T. Gouverneur
- dhr Hoeben
- SFT bank
- AMC Cargo Services
- Mosaicos
- miss Chemaly Deanna
- Price Waterhouse Coopers
- Net Pro
- Delsol Corporation nv
- Securitas
- AON
- Avila Beach Hotel
- Curtley Walle
- Bon Prijs nv
- Progressive Insurance
- ENNIA
- Chogogo
- Zanzibar
- New Winds Realty
- Richard Pieternella
- R. Servering
- Banco di Caribe
- Seascape nv/Holiday Hotel
- Asphalt Lake Recovery nv
- Livingstone
- Johanns
- Y. Bakker-Kloos/Papagayo
- dhr. Huisman
- Kamer van Koophandel &
  Nijverheid
- Delta Windparken
- Brobbel Adrianus
- Atroma nv
- famia i Rignald Kleinmoedig
- Biko Hooker
- Aquasoft
- Vivian Curiel
- Aminta Sprockel
- Gemma Sprockel
- Maria Granja Gaviria
- S. Fraai
- Sandra Fraai
- MCB Bankcard Services
- Lorna Ddavelaar
- Gustina Faustino
- Marlene Suarez
- Harold Mercelina
- MCB Brievenbelt
- Edgar Jansen
- I. Monk
- Patricia Dammers
- Roland Petronilla
- Sixto A Kastaneer
- A. la Cruz
- Iris S Farray
- Helene v Greene
- Mauricio Susanna
- Elridgerson Weyman
- Greta Schotborg-Jansen
- Merita Martis
- Aldrith Fransinet
- Alteca Rosa
- Moraima Matilda
- Pueblo Soberano
- Anselique Berend
- familie Jansen
- familie Lacroes
- MCB c.a.b
- familie Alberto
- Stanley Heerenveen
- Maritza E Russel
- Satelit Enterprises
- Casa Janina
- E. Ogenio
- mr. Signald I Curie
- Saaid Philips
- Joseph Ellis
- Crisen E Schorea
- Jet Cleaning & General contr.
- mrs. Atala van Unen
- mr. Charles Gomes Casseres
- Tire Warehouse nv
- mrs. Diane Henriquez
- Praktijkdoktersen Hoppmoud
- Esperamos bv
- Furgus Curacao nv
- Losiabaar Lyenne
- Gijsbertha de Haas
- Reina Shadeline
- Elisabeth Natalie
- Elsevijf Shuhayla
- Linkers Vareesa
- Bonafastia Julisa
- Marilyn Christina
- van Haaren, Yasmin
- Delia Jacobus
- A. Lourens & M Lourens-
  Sacre
- A & A.P.R Lourens
- famia & M Thode
- Patricia de Lannoy
- Veressa Linkers
- famia & L Elias
- Carlos Badaracco
- Diane Rigaud
- Steven Sprock
- Willems Antonia
- Francis Pietersz
- Irwin G Leito
- Global Business Solution
- K & K Realty nv/famia Lei-
  Everts
- Barby Dennis
- Freddy Liberia
- Joseph Celcio
- Geerman Elenny
- Chi Lan Ng
- Mariela Maduro
- Peter de Groot
- Charles Henriquez
- Raymund Meit
- Lucy Sannen
- Antonius Wassenberg
- Charles do Rego
- Stanley Rijnschot
- Int’l Accommodation nv
- ES & Strading
- Francis Christiaan
- Monique Pieter
- Alfredo Capello
- Michele Capriles
- Marinaskea Lourens
- Victoria Lammers
- Ghielma Pieter
- Meredith Daantje
- Jorge Engelhardt
- Filomena Reed
- Stefano Pascal
- Aquasoft
- Jacqueline Gosepa
- Lasonult/l.e. Anthony
- Aura Cleofa
- Ivette R. Antersijn
- Alexander Viani
- Veeris pet Center
- Marjorie Martina
Appendix IV
Sponsors CCWC 2007

- Eddie de Kort
- famia Dometilia-Maduro
- N. R. Romero
- Phedrienne Damon
- E. Mattheeuw
- Sylvia Parker
- Hildegard Zielinski
- Carlos Romer
- Henry Lourens
- D. Francisca
- fam. Martis
- famia Mambi
- famia Kunath & Wallé
- mevr. Karel-Reiph
- mr. Schotborgh
- mr. Sille
- Kevin Braafhart
- R. Wijman
- E. Daal
- Lucille Janga
- P & S v/d Loo
- mr. & sra Pietersz
- famia Regales
- sra Shanila
- sra Raquel
- Luriene
- famia Pinedo
- Ruska nv
- personnel Plaza Hotel
- Botika Plaza
- Denise Pieters
- Aga & Reno Pieters
- Noris Maria
- Louisa Salas-Neuman
- Casperina Wellman
- Linda Elshot
- Daniel Bernadina
- Naomi Bernadina
- Gilbert Vivo
- Shayna & Shadee Royer
- Emma Dos Santos
- Carl Barbolina & G Gruning
- Raynathan Martina
- Pocar nv
- Arlene & Kayla Coffie
- Nashaira Marlin
- mevr. C. Mollis
- Axel A Baerecke
- Eileen Leolina
- Vanity Lam
- Luzmine Wilmans
- Geneviere Pinedo
- famia Amerikaan
- Ralph Obiso & mr. Mayron
- famia Adam
- Judith Gorsira/Museo di Korsou
- Risairo de Roche
- mr. G. Schotte
- famia Martina
- Henri Obersi
- collect Ryan/snack
- Ploeg B Call Center UTS
- Adv. Praktijk Huizing
- Western Trading Co
- The Troubleshooter
- Delsol Corporation
- Carla Smaal
- famia Raphaela
- Gwen Martina
- Vienerick & Remison
- Sendy Sambo
- J. Sling
- Naila Mathilda
- Bright Printing
- Errol Fasioen
- H. Mauricio
- Danielle & Joshua Jukema
- mr. Faneyte
- Astris Eleonora
- R. Specht
- Ray’s Towing nv
- Cribal Automatismos nv
- Linton Martina & child
- Bradley & Tristan Hellmund
- B & G jr. Sendar
- Narshenis
- Candley House
- Timothy Coeriel
- Ruth Da Costa Gomez
- personnel Plaza Casino
- Curacao Tennis Found.
- Arnold Petrona
- Archides nv
- Security Solutions nv
- Evangelina de Windt
- Ascencion V Kelly
- Darlene Gosepa
- L.E Berend Kaersenhout
- Frenny Statia
- childrenen Salim Moussa
- Aquilina Jansen
- Wilfred R Elstak
- Sharline Istatia & N. Istatia
- Esther Evertsz
- Antonio Gumbs
- Mizzitti Rosenda
- Hilda Eliza
- Claudette V Vanier
- famia Marval
- Irma & Yvette Kopr
- mevr. Kleinmoedig
- Angelique Vrolijk
- Monique I Taatgen
- Jairo Silberie
- E. L. Wout
- H. Nunes
- ABVO
- Advocatenpraktijk AS
- Royal & Sun Alliance Ins.
- Lambert, Gerarda
- Jaremechey Servania
- Helena Smit
- Harold Gonzalez
- Julio Rojer
- Lisette V Eiter
- Kooyman Elisabeth
- Anthony, Gioaina
- I.E.P.A
- Luz & Leo Goens
- BDC
- Gerardo de Kort
- Mar. Vis de Palm
- Anna M Evertsz
- Pito Material Inspect
- A. Goede
- Josue Craneveldt
- Jose Anthonia
- Jaime Zimmerman
- R. Davelaar
- Sherwin C. A. Pourier
- Elly Elektra
- Ploeg 2/Polis Otrobanda
- Ivan Schoop i famia
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- Suhaily & Sulieveni Da
- Jairo Silberie
- E. L. Wout
- H. Nunes
# Appendix IV

## Sponsors CCWC 2007

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<tr>
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Appendix IV
Sponsors CCWC 2007

- Zaida L Alberto
- G. Antersijn
- Pulgar Messinia
- Fundashon pa nos muchanan
- E. Wederfoort
- Dr. D. Blanhart & M Moses
- OMNI Electronics
- Edwin Thielman
- Asela Winklaar
- Famia Riedel
- famia Darego
- Maira Belioso
- ROSCO NV
- Sharlene Cecilia
- Hilco Welding Consumables
- Club bar & cellular phone rent
- CMTC Capital Management
- Boddie, Meredith
- Mr. Dr. Ir. Ronald G Gill
- Claudio Martina
- Koperashon E.K.K.
- Mgr Niewindt College
- Audy Alberto
- Cur Federatie van werknemers
- Krijt Daniel
- Falbru Benjamin
- Roselyn Jessurun/e & C Jobse
- Agencia Funeraria El Senorial
- famia Emerenciana
- Davina Sabala
- Ingrid Leoniso
- famia Rojer
- sra. Chrisma
- M. Octavia
- mrs Edith j Bloem
- Norally m m Beverhoud
- A-team/Amigu di Tera
- C & E de Weener
- Encarnacion Sille Suart
- V. Da Costa Gomez
- Milieu Bewustwording
- mr. Henricus m m Geurtsen
- First Columbus Trust
- St Antonius College
- famia Pieter
- Natalie i m Trapenberg
- Scuba Doo
- A. E. Goiloschool
- VGKS
- mrs. Vinck-de Jongh
- Jong Holland
- Myrna M Sambo
- P. L. Brionschool
- Frank Martinus Arion
- Winston Veeris
- Hensley Koeiman
- Yajvan Margarita
- Lenny
- Jacqueline Cras
- Selikor n.v
- Arelis Altagracia
- I. Doesburg
- Josette Panka
- Engelhardt Dental
- Nicole Henriquez
- Silvia J Fullinck-Concension
- L v Wickeren & P Ganguli
- ING Bank
- Eriqiono Alberta
- Marijke
- Agatha I Gomez
- Curacao federatie v werknemers
- Duikschool Wederfoort
- Royal & Sun Alliance Ins.
- Erwin ter Meer
- M. Hammoud
- Amicorp Curaçao nv
- FATUM
- Telecuracao
- TV11
- Coca Cola
- Kortijn IJs
- Antilliaans Dagblad
- Amigoe
- Extra
- Inselair
- Curaçao Foods Trade
- Chacho de Castro
- Gatorade
A total of 18 persons work full-time for the Carmabi institute. Some of them work in the offices at Piscadera Bay and others work in the parks. Some people have double functions and appear on the list more than once. There are also a couple of (semi-) volunteers working for the foundation.

Several changes took place with respect to the membership of the board and the personnel in Carmabi in 2007.

**Board membership changes**
Two board members retired from the board in 2007. These are Mr. Percy Virginia (mr.) who served for more than three years in the function of treasurer, and board member Mrs. Joke P. Curiel (mr.) We thank them for their support and efforts on behalf of Carmabi. Both pledged to continue supporting the efforts of the foundation behind the scenes. A sincere thanks for years of input.

Four new board members joined the board in 2007:
- Mr. Peter Bongers (msc. RA CIA CFSA)
- Mr. Miguel Goede (msc. Dr.)
- Mr. Jeff Sybesma, (mr. Msc. LLM.)
- Mr. Dito Abbad (Ir.)

**Board meetings**
Board meetings were held on January 23, March 21, June 14, August 14, September 11, November 13.

**Left/retired**
July: B. Leysner, head of the Technical department and Marine Park Manager.

**Temporary personnel**
- Mrs. Jeanie de Windt worked for 6 months as assistant to the administration.
- Mrs. Miriam Criens for the project Biodiversity Database
- Mrs. Anna Rojer for the project Biological Inventory Bonaire

**Transfers**
- Mr. W. Samboe was transferred from Shete Boka to the Christoffelpark as ranger for activities and events.
- Mr. V. Rodriguez was transferred from Christoffelpark to Carmabi headquarters

**New personnel**
August: Drs. Maureen Keunen, part-time, Marine Park Visitor Center
November:
- Mr. Adrijon Pisas, Parkranger Christoffelpark
- Mr. Pedro Andrea, Parkranger Christoffelpark
- Mr. Mark-Paul Wisseman, semi-volunteer parkranger Christoffelpark
- Mrs. Rachel Tokaai, assistant front desk officer and assitant PR & marketing

**2007**
The board and personnel list as of the 31st of December 2007, is as follows:

**Board**
Ir. N.J. Chaclin, chairman
Appendix V
Board and personnel

Hermanus
Mr. W. van Ginkel, volunteer

Environmental education section
Mr. Drs. L.P.J.J. Pors, head of the section
Mrs. Ing. M. da Costa Gomez, education staff member
Mr. Cyrill Kooistra, education assistant

(Semi) Volunteers education section
Mrs. C. Schoop
Mr. E. Albertus
Mrs. S. Rijnschot
Mr. R. Rosario
Mrs. R. Bernadina
Mrs. S. van den Wind
Mrs. D. Beeldsnijder

Board and personnel

Carmabi annual report 2007
## Appendix V

### Board and personnel

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<td>C. Schoop</td>
<td>M. Kuenen</td>
<td>E. Henrietta</td>
<td>B. albicuatus</td>
<td>C. Kooistra</td>
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<td>S. Rosalia</td>
<td>R. Tokaai</td>
<td>A. Cijntje</td>
<td>O. Ricardo</td>
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